

# Oracle® Process Manufacturing Regulatory Management Technical Reference Manual

**RELEASE 11*i***

December 1999

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## OPM Regulatory Management Technical Reference Manual

Release 11i

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Major Contributor: Michele-Andrea Fields

Contributors: Carlene Leichter, Geraldine Kelly

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# Introduction

The *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* provides the information you need to understand the underlying structure of Oracle Process Manufacturing (OPM). After reading this manual, you should be able to convert your existing applications data, integrate your existing applications with OPM, and write custom reports for OPM, as well as read data that you need to perform other tasks.

This chapter introduces you to the *Oracle Process Manufacturing Regulatory Management Technical Reference Manual*, and explains how to use it.

## Overview

At Oracle, we design and build applications using Oracle Designer, our systems design technology that provides a complete environment to support developers through all stages of a systems life cycle. Because we use a repository-based design toolset, all the information regarding the underlying structure and processing of our applications is available to us online. Using Oracle Designer, we can present this information to you in the form of a technical reference manual.

This *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* contains detailed, up-to-date information about the underlying structure of OPM. As we design and build new releases of OPM, we update our Oracle Designer repository to reflect our enhancements. As a result, we can always provide you with an *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* that contains the latest technical information as of the publication date. Note that after the publication date we may have added new indexes to OPM to improve performance.

### About this Manual

This manual describes the Oracle Applications Release 11*i* data model, as used by OPM; it discusses the database we include with a fresh install of Oracle Applications Release 11*i*. If you have not yet upgraded to Release 11, your database may differ from the database we document in this book.

If you have upgraded from a previous release, you might find it helpful to use this manual with the appropriate *Oracle Applications Product Update Notes* manual. The product update notes list database changes and seed data changes in OPM between releases. The *Oracle Applications Product Update Notes Release 11* manual describes the changes between release 10.7 and release 11, and the *Oracle Applications Product Update Notes Release 11i* manual describes the changes between release 11 and release 11*i*.

You can contact your Oracle representative to confirm that you have the latest technical information for OPM. You can also use *OracleMetaLink* which is accessible through Oracle's Support Web Center ( [http://www.oracle.com/support/elec\\_sup](http://www.oracle.com/support/elec_sup) ).

## Finding the Latest Information

The *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* contains the latest information as of the publication date. For the latest information we encourage you to use *OracleMetaLink* which is accessible through Oracle's Support Web Center ( [http://www.oracle.com/support/elec\\_sup](http://www.oracle.com/support/elec_sup) ).

## Audience

The *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* provides useful guidance and assistance to:

- Technical End Users
- Consultants
- Systems Analysts
- System Administrators
- Other MIS professionals

This manual assumes that you have a basic understanding of structured analysis and design, and of relational databases. It also assumes that you are familiar with Oracle Application Object Library and OPM. If you are not familiar with the above products, we suggest that you attend one or more of the training classes available through Oracle Education (see: Other Information Sources).

## How This Manual is Organized

This manual contains two major sections, High-Level Design and Detailed Design.

### High-Level Design

This section, Chapter 2, contains database diagrams, and lists each database table and view that OPM uses. This chapter also has a list of modules.

### Detailed Design

This section, Chapter 3, contains a detailed description of the OPM database design, including information about each database table and view you might need for your custom reporting or other data requirements.

## How to Use This Manual

The *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* is a single, centralized source for all the information you need to know about the underlying structure and processing of OPM. For example, you can use this manual when you need to:

- Convert existing application data
- Integrate OPM with your other applications systems

- Write custom reports
- Define alerts against Oracle Applications tables
- Configure your Oracle Self-Service Web Applications
- Create views for decision support queries using query tools
- Create business views for Oracle Discoverer

You need not read this manual cover to cover. Use the table of contents and index to quickly locate the information you need.

## How Not To Use This Manual

### **Do not use this manual to plan modifications**

You should not use this manual to plan modifications to OPM. Modifying OPM limits your ability to upgrade to future releases of OPM. In addition, it interferes with our ability to give you the high-quality support you deserve.

We have constructed OPM so that you can customize it to fit your needs without programming, and you can integrate it with your existing applications through interface tables. However, should you require program modifications, you should contact our support team (see: Other Information Sources). They can put you in touch with Oracle Services, the professional consulting organization of Oracle. Their team of experienced applications professionals can make the modifications you need while ensuring upward compatibility with future product releases.

### **Do not write data into non-interface tables**

Oracle reserves the right to change the structure of Oracle Applications tables, and to change the meaning of, add, or delete lookup codes and data in future releases. Do not write data directly into or change data in non-interface tables using SQL\*Plus or other programming tools because you risk corrupting your database and interfering with our ability to support you.

Moreover, this version of the *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* does not contain complete information about the dependencies between OPM tables. Therefore, you should write data into only those tables we identify as interface tables. If you write data into other non-interface tables, you risk violating your data integrity since you might not fulfill all the data dependencies in OPM.



You are responsible for the support and upgrade of the logic within the procedures that you write, which may be affected by changes between releases of Oracle Applications.

**Do not rely on upward compatibility of the data model**

Oracle reserves the right to change the structure of OPM tables, and to change the meaning of, add, or delete lookup codes and other data in future releases. We do not guarantee the upward compatibility of the OPM data model. For example, if you write a report that identifies concurrent requests that end in Error status by selecting directly from Oracle Application Object Library tables, we do not guarantee that your report will work properly after an upgrade.

## About Oracle Application Object Library

The *Oracle Process Manufacturing Regulatory Management Technical Reference Manual* may contain references to tables that belong to Oracle Application Object Library. Oracle Application Object Library is a collection of pre-built application components and facilities for building Oracle Applications and extensions to Oracle Applications. Oracle Application Coding Standards use the Oracle Application Object Library and contains shared components including but not limited to -- forms, subroutines, concurrent programs and reports, database tables and objects, messages, menus, responsibilities, flexfield definitions and online help.

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**Attention:** Oracle does not support *any* customization of Oracle Application Object Library tables or modules, not even by Oracle consultants. (Oracle Application Object Library tables generally have names beginning with FND\_%.)

Accordingly, this manual does not contain detailed information about most Oracle Application Object Library tables used by OPM.

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## A Few Words About Terminology

The following list provides you with definitions for terms that we use throughout this manual:

**Relationship**

A relationship describes any significant way in which two tables may be associated. For example, rows in the Journal Headers table may have a one-to-many relationship with rows in the Journal Lines table.

## **Database Diagram**

A database diagram is a graphic representation of application tables and the relationships between them.

## **Summary Database Diagram**

A summary database diagram shows the most important application tables and the relationships between them. It omits tables and relationships that contribute little to the understanding of the application data model. Typically, a summary database diagram shows tables that contain key reference and transaction data.

## **Module**

A module is a program or procedure that implements one or more business functions, or parts of a business function, within an application. Modules include forms, concurrent programs and reports, and subroutines.

## **Application Building Block**

An application building block is a set of tables and modules (forms, reports, and concurrent programs) that implement closely-related database objects and their associated processing. Said another way, an application building block is a logical unit of an application.

## **QuickCodes**

QuickCodes let you define general purpose, static lists of values for window fields. QuickCodes allow you to base your program logic on lookup codes while displaying user-friendly names in a list of values window. QuickCodes simplify name and language changes by letting you change the names your end users see, while the codes in your underlying programs remain the same.

## **Form**

A form is a module comprised of closely related windows that are used together to perform a task. For example, the Enter Journals form in Oracle General Ledger includes the Enter Journals window, the Batch window, and the More Actions window among others. The Enter Journals window is the main window, and from it, you can use buttons to navigate to other windows in the form. The form name usually corresponds to the main window in the form, and is frequently a window you open directly from the Navigator.

## Other Information Sources

There are additional information sources, including other documentation, training and support services, that you can use to increase your knowledge and understanding of Oracle Designer, Oracle Application Object Library, and OPM. We want to make these products easy for you and your staff to understand and use.

### **Oracle Designer Online Documentation**

The online help for Oracle Designer describes how you can use Oracle Designer for your development needs.

### **Oracle Applications Developer's Guide**

This guide contains the coding standards followed by the Oracle Applications development staff. It describes the Oracle Application Object Library components needed to implement the Oracle Applications user interface described in the *Oracle Applications User Interface Standards*. It also provides information to help you build your custom Developer forms so that they integrate with Oracle Applications.

### **Oracle Applications User Interface Standards**

This manual contains the user interface (UI) standards followed by the Oracle Applications development staff. It describes the UI for the Oracle Applications products and how to apply this UI to the design of an application built using Oracle Forms 6.

### **Oracle Process Manufacturing System Administration User's Guide**

Your user guide provides you with all the information you need to use your Release 11i OPM application. Each user guide is organized for fast, easy access to detailed information in a function- and task-oriented organization.

### **Oracle Self-Service Web Applications Online Documentation**

This documentation describes how Oracle Self-Service Web Applications enable companies to provide a self-service and secure Web interface for employees, customers, and suppliers. Employees can change their personal status, submit expense reports, or request supplies. Customers can check on their orders, and suppliers can share production schedules with their trading partners. This documentation is available in HTML only.

### **Oracle Applications Flexfields Guide**

This guide provides flexfields planning, setup and reference information for the OPM implementation team, as well as for users responsible for the ongoing maintenance of Oracle Applications product data. This manual also provides information on creating custom reports on flexfields data.

### **Oracle Workflow Guide**

This manual explains how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes. You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

### **Oracle Alert User Guide**

This manual explains how to define periodic and event alerts to monitor the status of your Oracle Applications data.

### **Multiple Reporting Currencies in Oracle Applications**

If you use the Multiple Reporting Currencies feature to report and maintain accounting records in more than one currency, use this manual before implementing OPM. This manual details additional steps and setup considerations for implementing OPM with this feature.

### **Multiple Organizations in Oracle Applications**

If you use the Oracle Applications Multiple Organization Support feature to use multiple sets of books for one OPM installation, use this guide to learn about setting up and using OPM with this feature. This book describes the Oracle Applications organization model, which defines business units and the relationships between them in an arbitrarily complex enterprise. Functional and technical overviews of multiple organizations are presented, as well as information about how to set up and implement this feature set in the relevant Oracle Applications products.

### **Oracle Applications Messages Manual**

The Oracle Applications Messages Manual contains the text of numbered error messages in Oracle Applications. (Oracle Applications messages begin with the prefix "APP-".) It also provides information on the actions you take if you get a message. Note: This manual is available only in HTML format.

## **Installation and System Administration**

### **Oracle Applications Installation Release Notes**

This manual contains a road map to the components of the release, including instructions about where to access the Release 11*i* documentation set.

### **Oracle Applications Concepts**

Designed to be the first book the user reads to prepare for an installation of Oracle Applications. It explains the technology stack, architecture, features and terminology for Oracle Applications Release 11*i*. This book also introduces the concepts behind and major uses of Applications-wide features such as MRC, BIS, languages and character sets (NLS, MLS), BIS, Self-Service Web Applications and so on.

### **Installing Oracle Applications**

Describes the One-Hour Install process, the method by which Release 11*i* will be installed. This manual includes all how-to steps, screen shots and information about Applications-wide post-install tasks.

### **Using the AD Utilities**

This manual contains how-to steps, screen shots and other information required to run the various AD utilities such as AutoInstall, AutoPatch, AD Administration, AD Controller, Relink and so on. It also contains information about when and why you should use these utilities.

### **Upgrading Oracle Applications**

This manual contains all the product specific pre and post-upgrade steps that are required to upgrade products from Release 10.7 (NCA, SC and character-mode) or Release 11 of Oracle Applications. This manual also contains an overview chapter that describes all the tasks necessary to prepare and complete a upgrade of Oracle Applications.

### **Oracle Applications System Administrator's Guide**

This manual provides planning and reference information for the Oracle Applications System Administrator. It contains information on how to define security, customize menus and manage concurrent processing.

### **Oracle Applications Product Update Notes**

This book contains a summary of each new feature we added since Release 11, as well as information about database changes and seed data changes that may affect your operations or any custom reports you have written. If you are upgrading from Release 10.7 you also need to read *Oracle Applications Product Update Notes Release 11*.

### **Oracle Self-Service Web Applications Implementation Manual**

This manual describes the setup steps for Oracle Self-Service Web Applications and the Web Applications Dictionary.

### **Oracle Applications Implementation Wizard User Guide**

If you are implementing more than one Oracle product, you can use the Oracle Applications Implementation Wizard to coordinate your setup activities. This guide describes how to use the wizard.

## **Other Information**

### **Training**

Oracle Education offers a complete set of training courses to help you and your staff master Oracle Applications. We can help you develop a training plan that provides thorough training for both your project team and your end users. We will work with you to organize courses appropriate to your job or area of responsibility.

Training professionals can show you how to plan your training throughout the implementation process so that the right amount of information is delivered to key people when they need it the most. You can attend courses at any one of our many Educational Centers, or you can arrange for our trainers to teach at your facility. In addition, we can tailor standard courses or develop custom courses to meet your needs.

### **Support**

From on-site support to central support, our team of experienced professionals provides the help and information you need to keep OPM working for you. This team includes your Technical Representative, Account Manager, and Oracle's large staff of consultants and support specialists with expertise in your business area, managing an Oracle server, and your hardware and software environment.

## About Oracle

Oracle Corporation develops and markets an integrated line of software products for database management, applications development, decision support, and office automation, as well as Oracle Applications, an integrated suite of more than 75 software modules for financial management, supply chain management, manufacturing, project systems, human resources, and sales and service management.

Oracle products are available for mainframes, minicomputers, personal computers, network computers, and personal digital assistants, allowing organizations to integrate different computers, different operating systems, different networks, and even different database management systems, into a single, unified computing and information resource.

Oracle is the world's leading supplier of software for information management, and the world's second largest software company. Oracle offers its database, tools, and applications products, along with related consulting, education, and support services, in over 145 countries around the world.

## Thank You

Thanks for using OPM and this technical reference manual!

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Oracle Applications Documentation Manager

Oracle Corporation

500 Oracle Parkway

Redwood Shores, California 94065

U.S.A.

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## High-Level Design

This chapter presents a high-level design for Oracle Process Manufacturing (OPM) that satisfies the business needs we specify during Strategy and Analysis. It contains database diagrams for OPM Regulatory Management building blocks, lists of database tables and views, and a list of modules.

## Overview of High-Level Design

During High-Level Design, we define the application components (tables, views, and modules) we need to build our application. We specify what application components should do without specifying the details of *how* they should do it.

You can refer to this High-Level Design chapter to quickly acquaint yourself with the tables, views, and modules that comprise OPM Regulatory Management. And, you can prepare yourself to understand the detailed design and implementation of OPM.

## Summary Database Diagram

The Summary Database Diagram section graphically represents the most important application tables and the relationships between them. It omits tables and relationships that contribute little to the understanding of the application data model. Typically, a summary database diagram shows tables that contain key reference and transaction data.

We prepare a summary database diagram to describe, at a conceptual level, the key information on which our business depends. Later, we refine this summary database diagram, breaking it into multiple database diagrams (generally, one per application building block) to represent all the tables and relationships we need to implement our application in the database.

Review the Summary Database Diagram section to see at a glance the major tables and relationships on which your application depends.

## Database Diagrams

The Database Diagrams section graphically represents all OPM Regulatory Management tables and the relationships between them, organized by building block.

Use this section to quickly learn what tables each OPM Regulatory Management building block uses, and how those tables interrelate. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about each of those tables.

## Table Lists

The Table List sections list the OPM Regulatory Management tables. Because a product might not include at least one table for each type, this Technical Reference Manual might not include each of the following sections.

## **Public Tables**

Use the Public Table List section to quickly identify the tables you are most interested in. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about those tables.

In addition, this manual may contain full documentation for one or more of the following Application Object Library tables: FND\_DUAL, FND\_CURRENCIES, and FND\_COMMON\_LOOKUPS.

## **Internal Tables**

This section includes a list of private, internal tables used by OPM Regulatory Management; we do not provide additional documentation for these tables.

## **View Lists**

The View List sections list the OPM Regulatory Management views, with one section for each type of view. Because a product might not include at least one view for each type, this Technical Reference Manual might not include each of the following sections.

Use this section to quickly identify the views you are most interested in. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about those views.

## **Public Views**

This section lists views that may be useful for your custom reporting or other data requirements. The list includes a description of the view, and the page in Chapter 3 that gives detailed information about the public view.

## **Web Views**

This section lists views that you may need to configure your Self-Service Web applications. The list includes a description of the view, and the page in Chapter 3 that gives detailed information about the web view.

## **Forms and Table Views**

This section lists supplementary views that are not essential to the Release 11i data model, but simplify coding or improve performance for Oracle Developer.

### **Internal Views**

This section includes each private, internal view that OPM Regulatory Management uses.

### **Single-Organization Views**

This section lists the views that we added to take the place of various tables that are now partitioned by operating unit, to support multiple sets of books within a single installation of OPM.

### **Multiple Reporting Currency Views**

This list includes views that were created to support the Multiple Reporting Currencies feature.

### **MultiLingual Views**

This section lists views that were created to allow certain seed data to be available in multiple national languages simultaneously.

## **Module List**

The Module List section briefly describes each of the OPM Regulatory Management modules. This section lists forms, reports, and concurrent programs.

A form is a module comprised of closely related windows that are used together to perform a task. For example, the Enter Journals form in Oracle General Ledger includes the Enter Journals window, the Batch window, and the More Actions window. The Enter Journals window is the main window, and from it, you can use buttons to navigate to other windows in the form. The form name usually corresponds to the main window in the form, and is frequently a window you can open directly from the Navigator.

The Reports and Concurrent Programs lists include processes you can submit from the Submit Requests window or other windows, as well as processes that are submitted automatically by OPM Regulatory Management. Use your user's guide to learn more about reports and concurrent processes.

## Summary Database Diagram

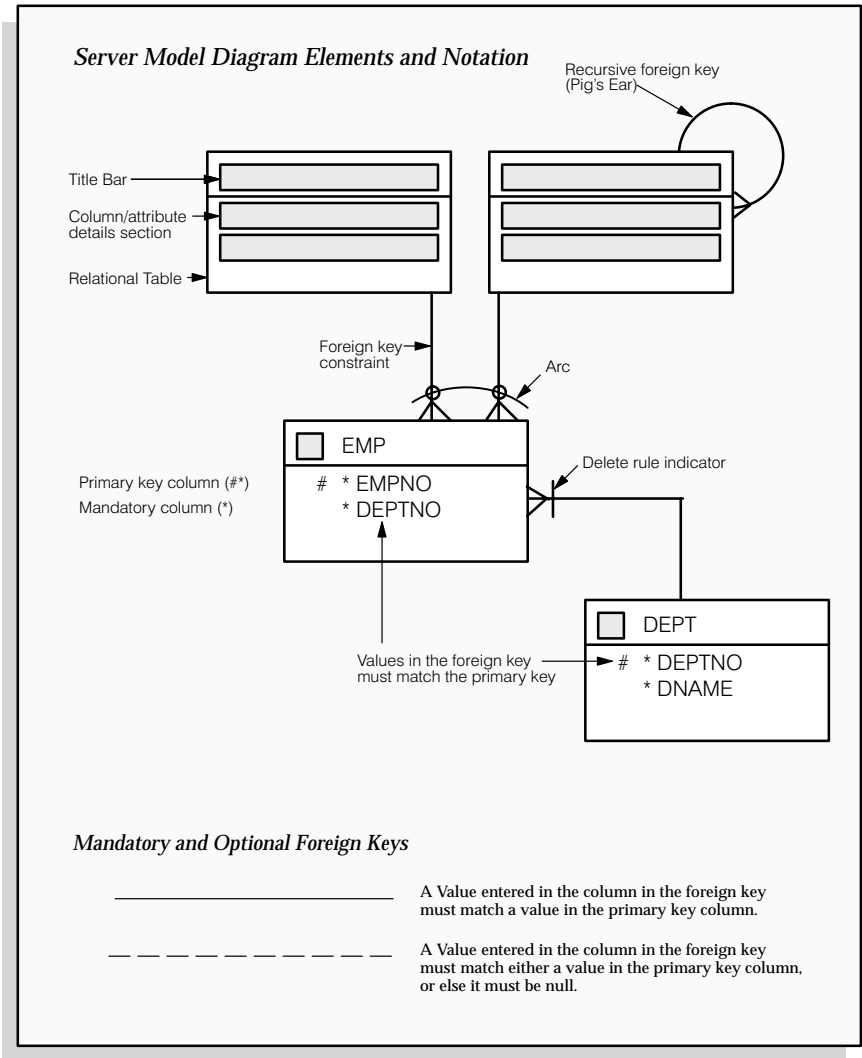
This Summary Database Diagram graphically represents the most important OPM Regulatory Management tables and the relationships between them. It describes, at a conceptual level, the key information on which OPM depends.

This diagram does not represent the complete database implementation of OPM Regulatory Management tables. It shows tables that contain key reference and transaction data, and omits tables and relationships that contribute little to the understanding of the OPM data model. For example, a foreign key relationship shown between two tables may actually be implemented by an intervening table, not shown in this diagram.

For more detailed graphical representations of OPM Regulatory Management tables and the relationships between them, see the Database Diagrams section in this chapter.

# Database Diagramming Conventions

We use the following notational conventions in our database diagrams:



**Tables** - are the basic unit of storage in the database. A hand symbol preceding the title in the table's title bar indicates that the table is not owned by this application but shared with another.

**Foreign key constraint** - is a type of referential integrity constraint for checking the integrity of data entered in a specific column or set of columns. This specified column or set of columns is known as the foreign key.

**Delete rule indicator** - determines the action to be taken when an attempt is made to delete a related row in a join table. A line through the foreign key constraint, as shown on the above diagram, indicates that this action is restricted.

**Arcs** - specify that, for any given row in a table, a value must be entered in one of the arc columns. The remaining columns within the arc must be null.

## Database Diagrams

This section graphically represents all OPM Regulatory Management tables and the relationships between them, organized by building block. Use this section to quickly learn what tables each OPM Regulatory Management building block uses, and how these tables interrelate. Then, you can refer to the Table and View Definitions sections of Chapter 2 for more detailed information about each of those tables.

This section contains a database diagram for each of the following OPM Regulatory Management building blocks:

- Diagram 1:Disclosure Codes
- Diagram 2:Document Structures
- Diagram 3:Exposure Information
- Diagram 4:Hazard Information
- Diagram 5:Ingredient Concentration Ranges
- Diagram 6:Item Group Codes
- Diagram 7:Label Classes
- Diagram 8:Labels
- Diagram 9:Main Headings
- Diagram 10:Master Items Template

- Diagram 11:Organization Contacts
- Diagram 12:Phrase Information
- Diagram 13:Print Documents
- Diagram 14:Print Recipient Documents
- Diagram 15:Product Classes
- Diagram 16:Properties
- Diagram 17:Recipient Information
- Diagram 18:Regulatory Information
- Diagram 19:Risk Phrases
- Diagram 20:Safety Phrases
- Diagram 21:Subheadings
- Diagram 22:Territory Profiles
- Diagram 23:Toxic Information

Some tables, especially important reference tables, appear in more than one database diagram. When several building blocks use a table, we show that table in each appropriate database diagram.

## How to Use These Database Diagrams

Here is an example of how you might use these database diagrams:


Suppose you want to write a custom application to interface your Oracle Payables application with your non-Oracle purchasing system. You want to see how your Oracle Payables application matches an invoice to a purchase order. You turn to Diagram 3 to see the table structure for the Matching Invoices to Purchase Orders building block. You learn that each purchase order distribution line in PO\_DISTRIBUTIONS may be used to create one or more invoice distribution lines in AP\_INVOICE\_DISTRIBUTIONS when you match an invoice to a purchase order. You can also see that your Oracle Payables application associates a matching hold on an invoice with a purchase order shipment through the PO\_LINE\_LOCATIONS table. Finally, you know that your Oracle Payables application matches invoices to purchase orders at the purchase order shipment level.

Next, you turn to the Table and View Definitions section in Chapter 2 to learn about the columns in each of these tables and determine which columns are required for matching. Using this information, you write an application that allows your Oracle

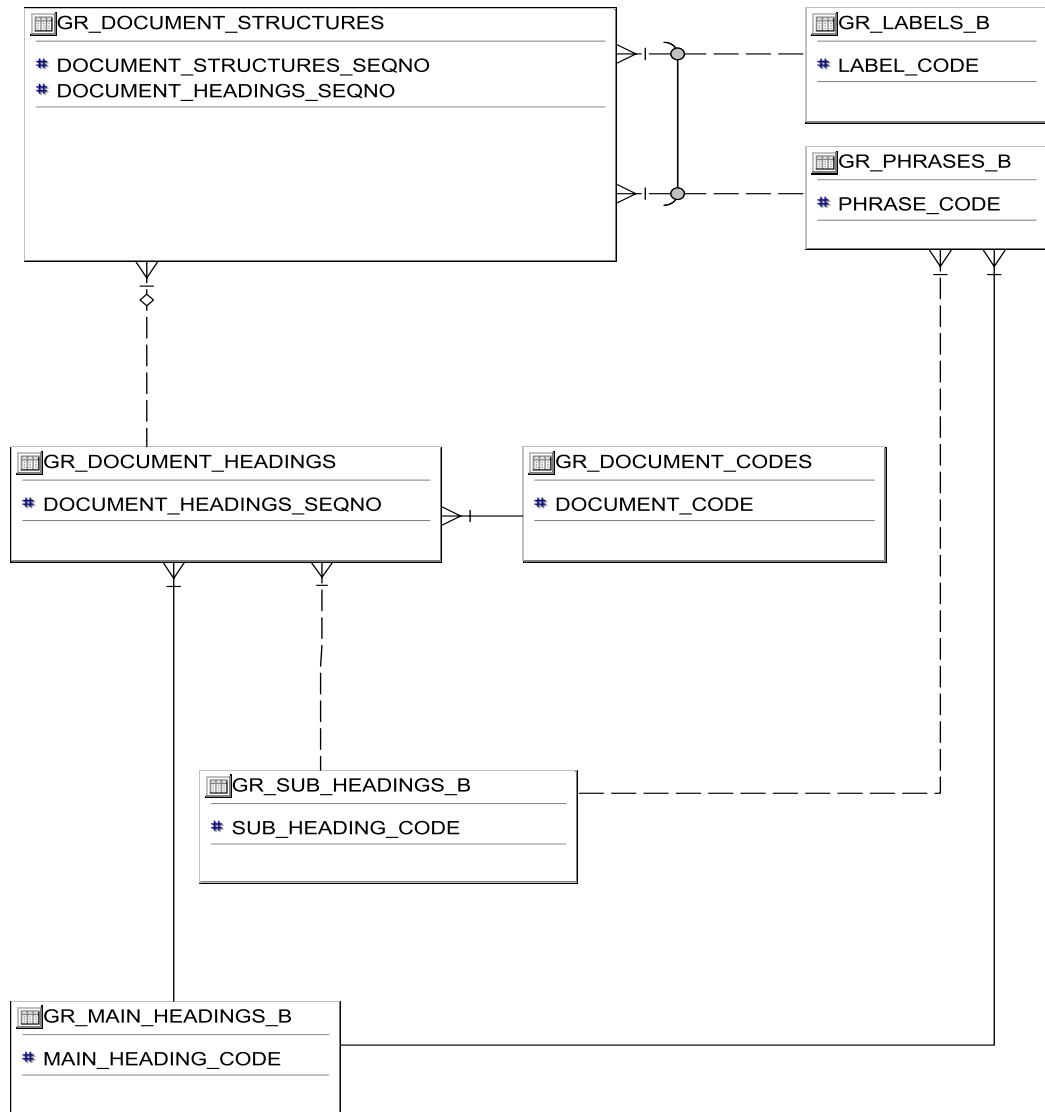


Payables application to match invoices to purchase orders from your purchasing system.

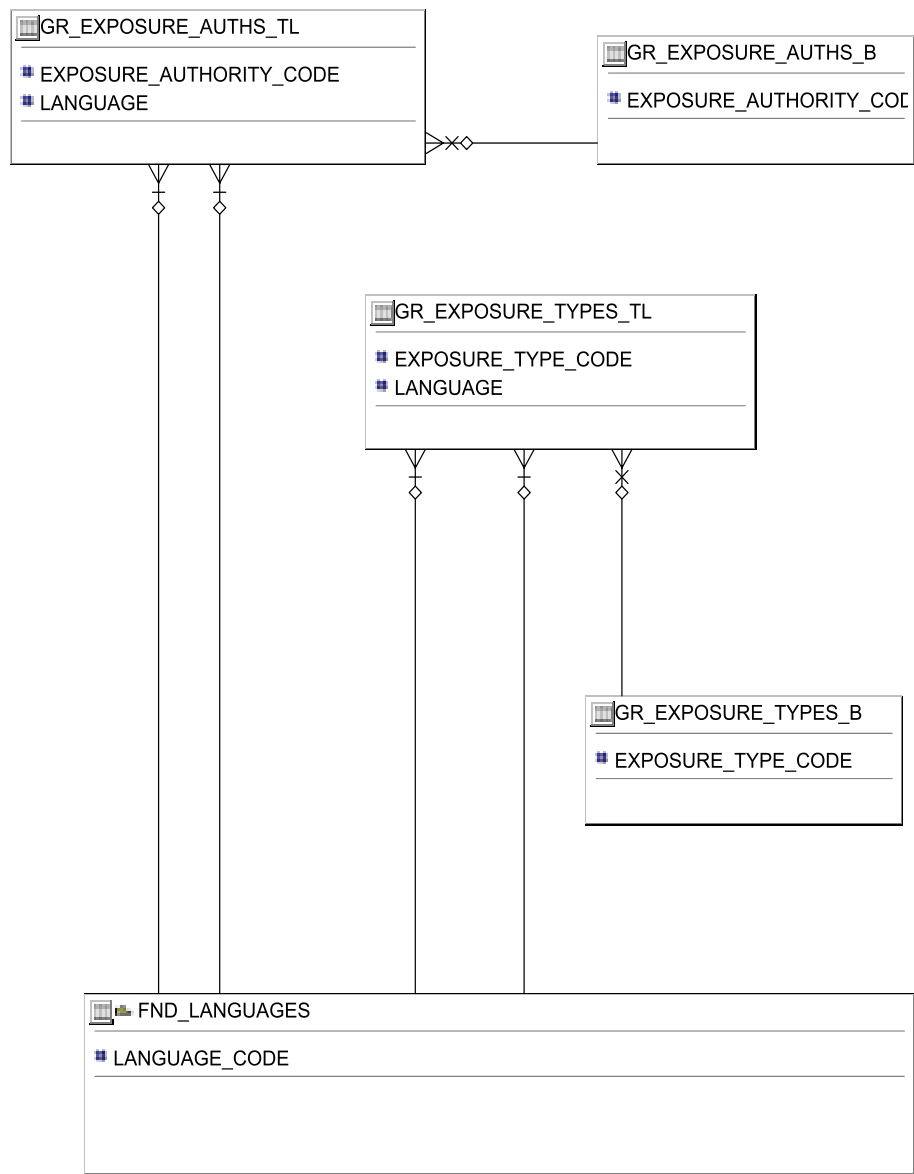
# Disclosure Codes

	GR_DISCLOSURES
#	DISCLOSURE_CODE

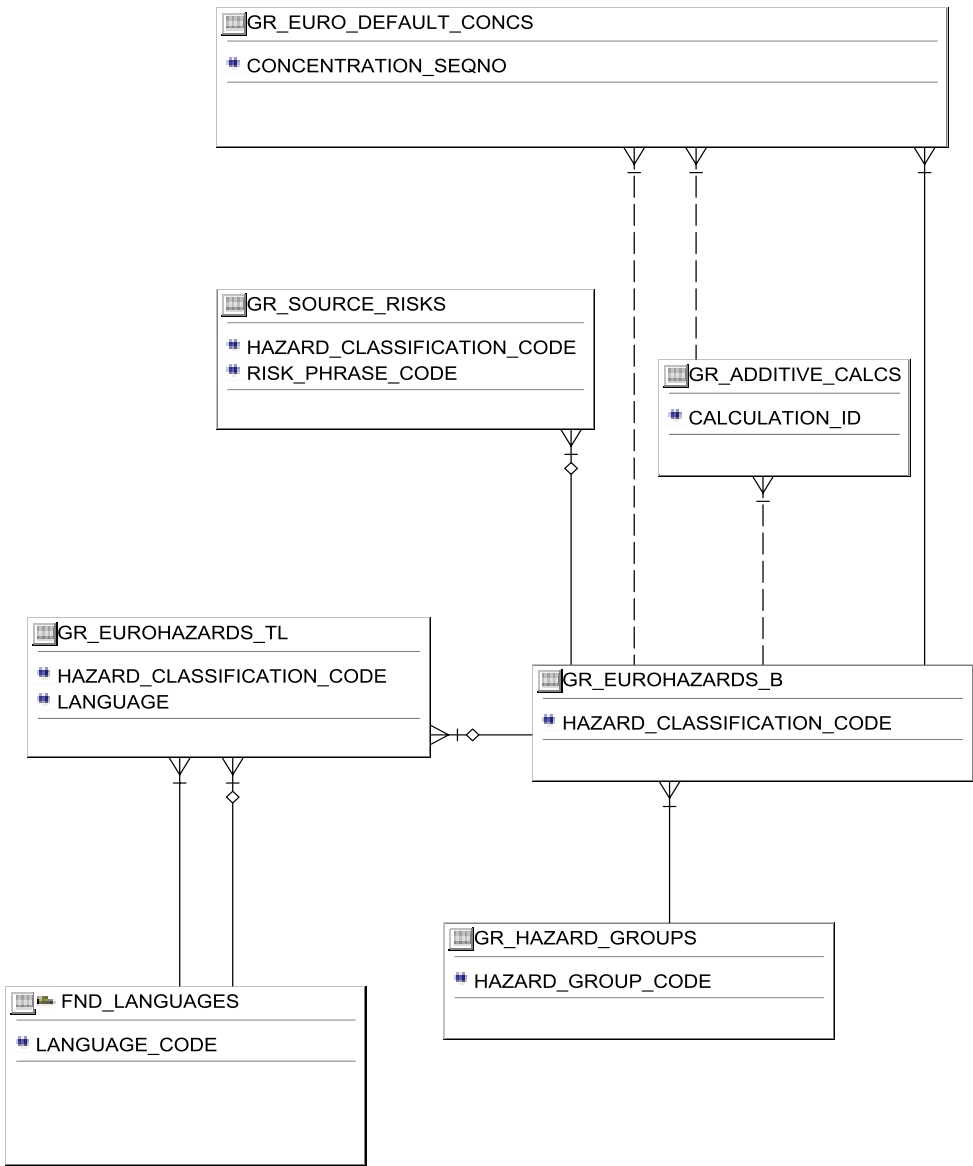
## Document Structures




# Exposure Information



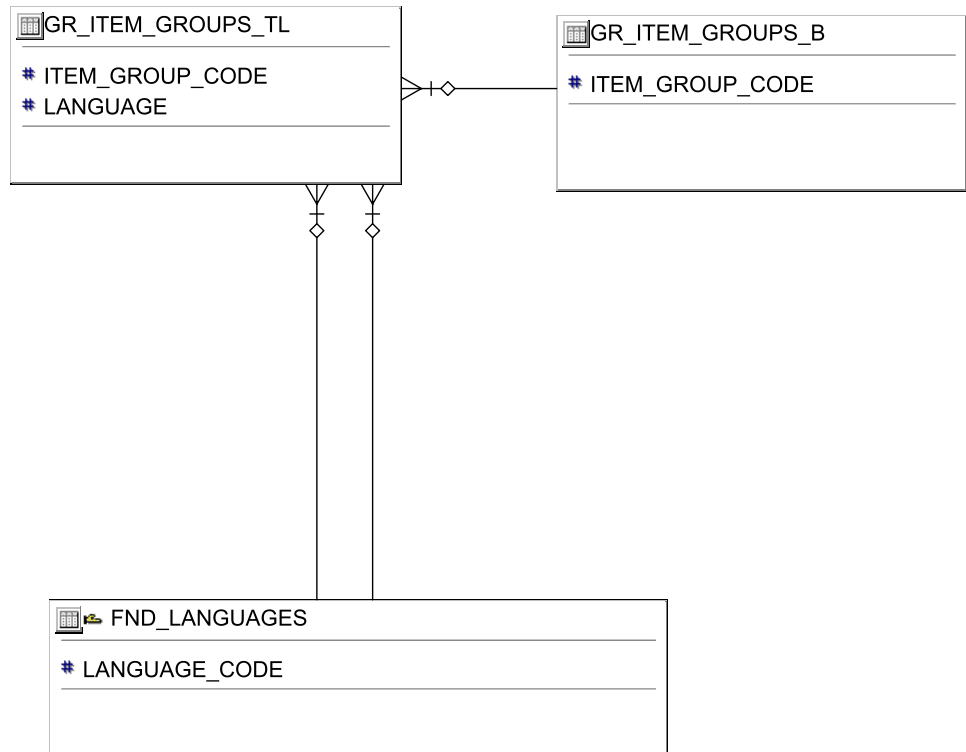
# Hazard Information



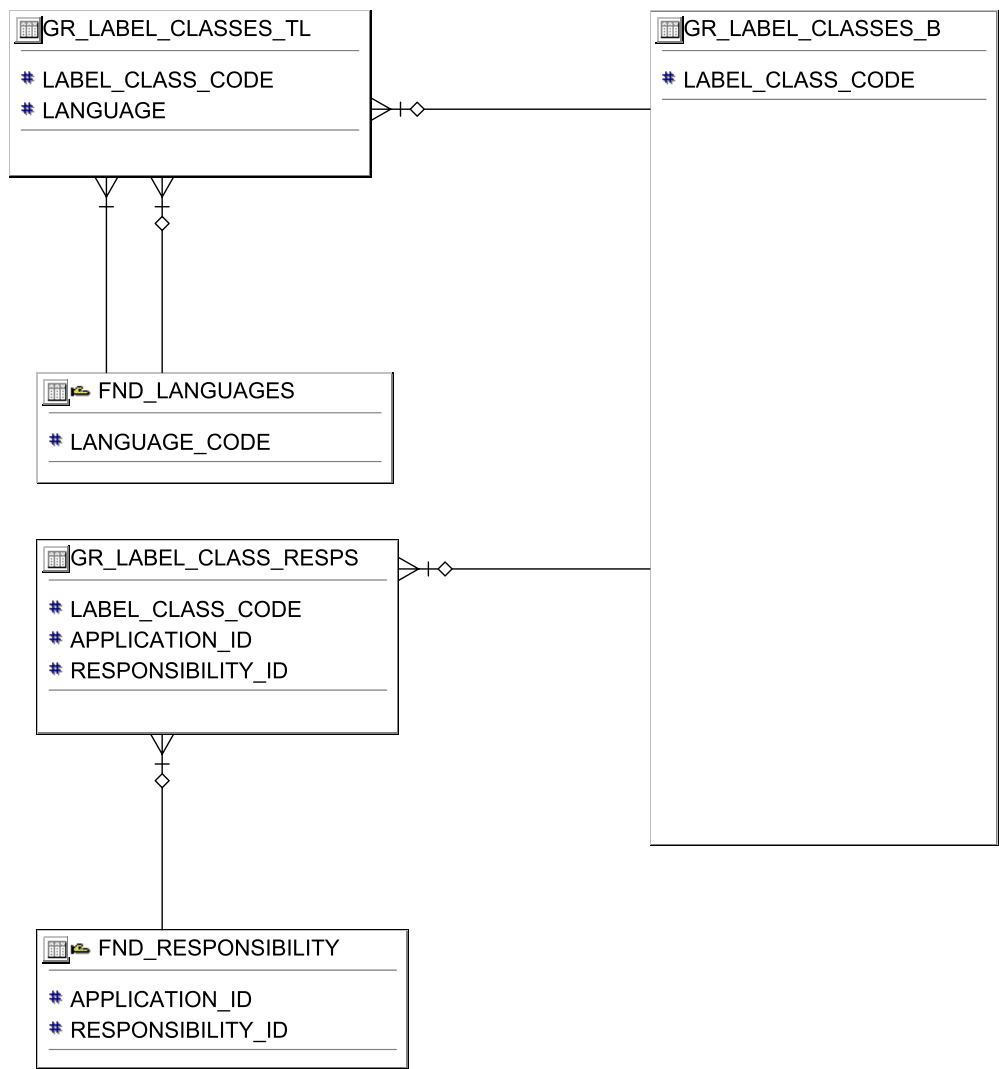
# Ingredient Concentration Ranges

 GR_CONC_RANGES
# CONCENTRATION_SEQNO

## Item Group Codes

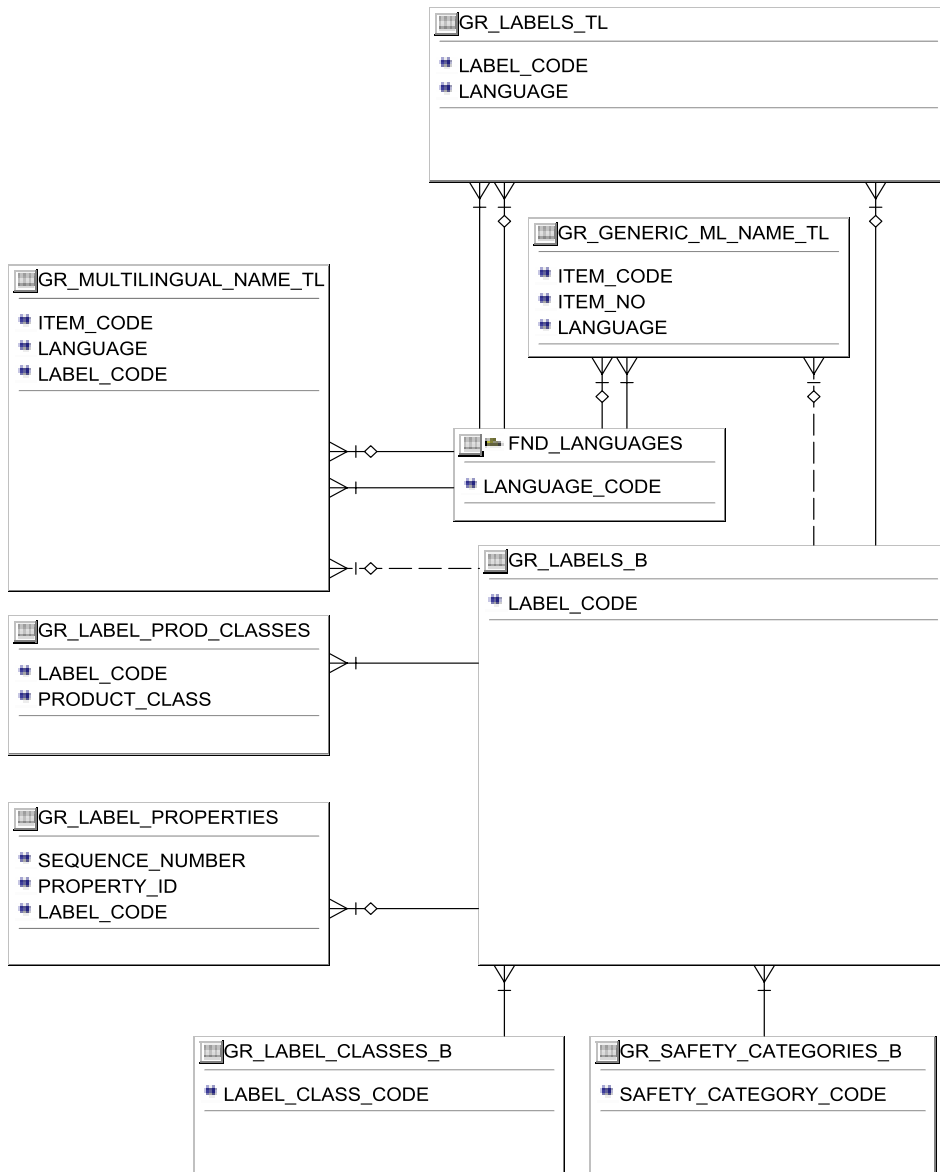


# Label Classes

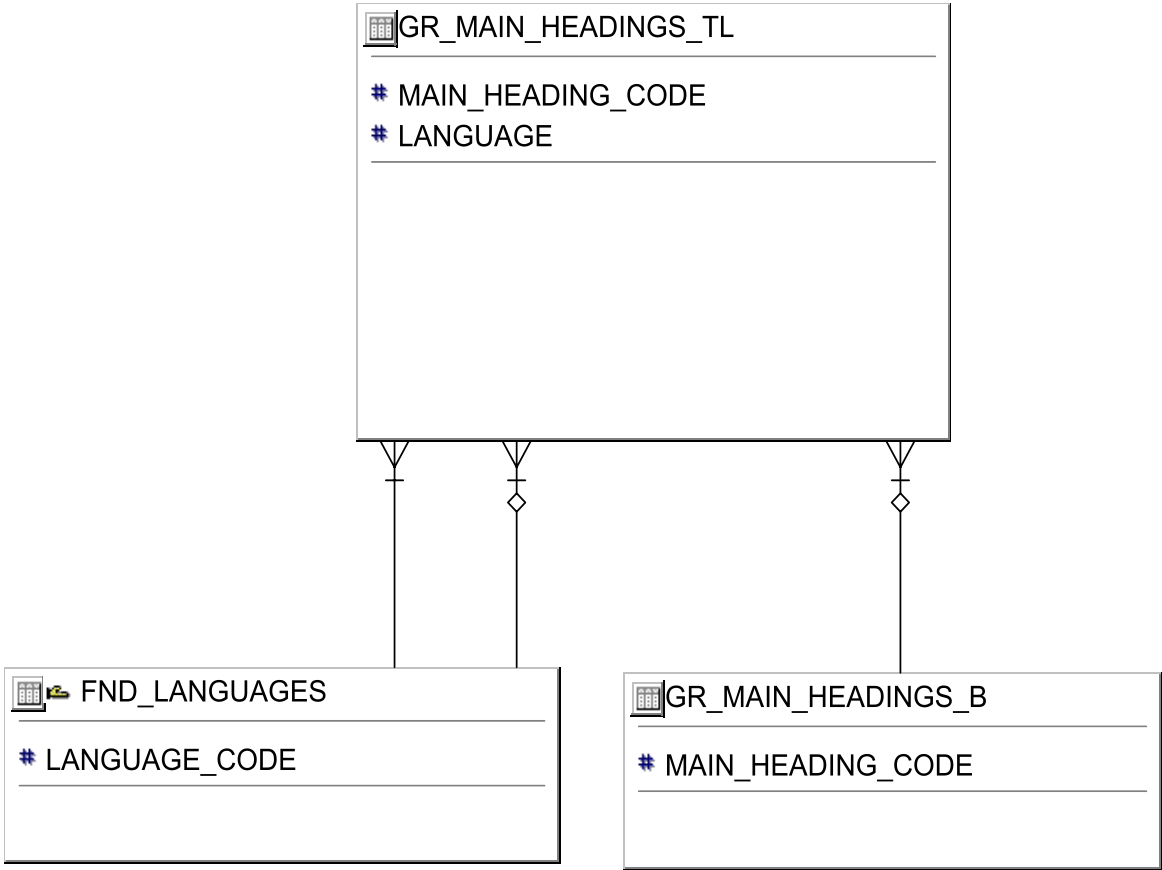




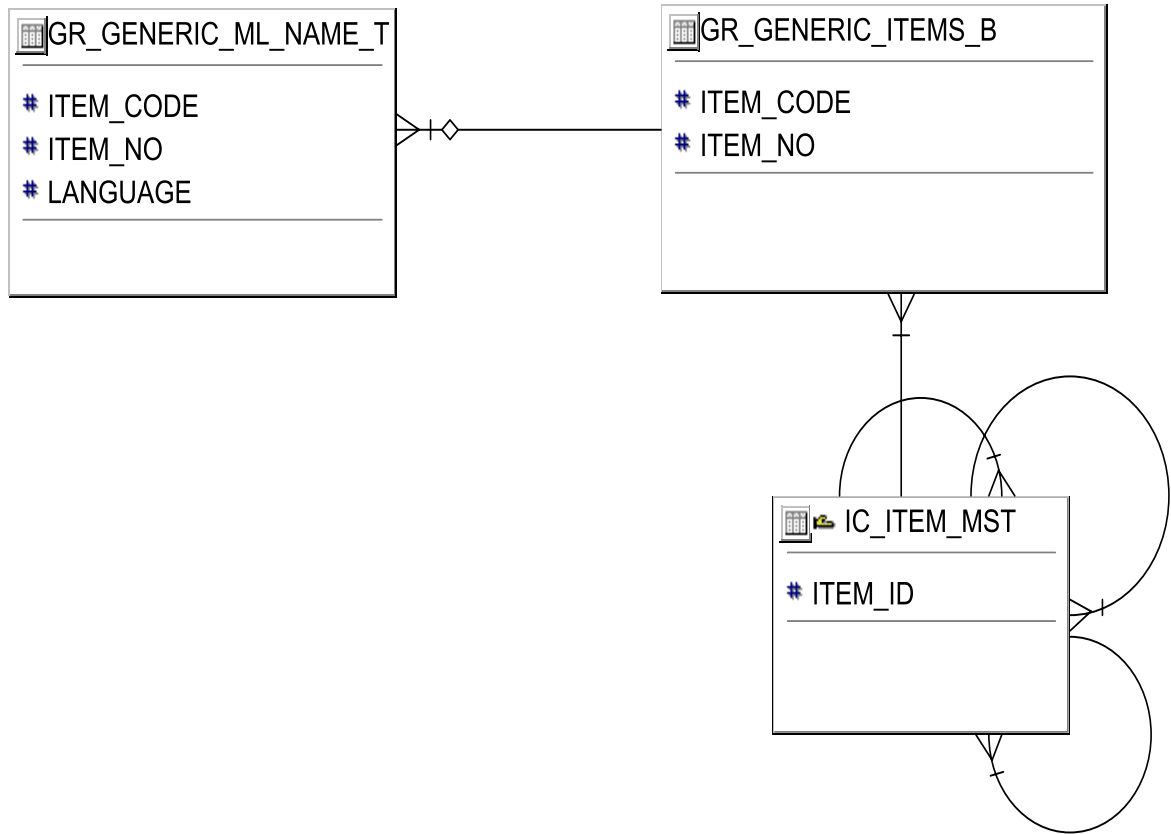
# Labels




# Main Headings



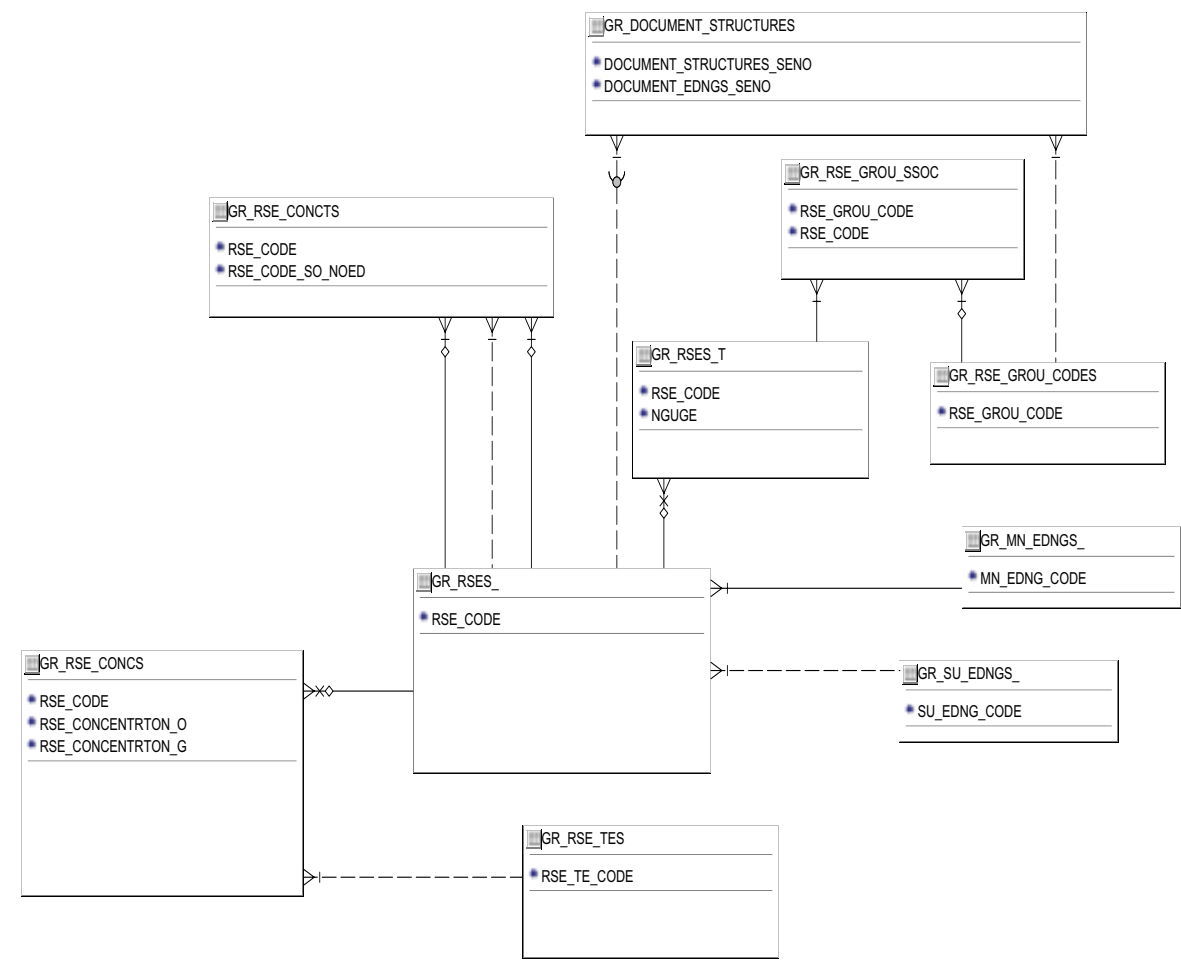
## Master Items Template



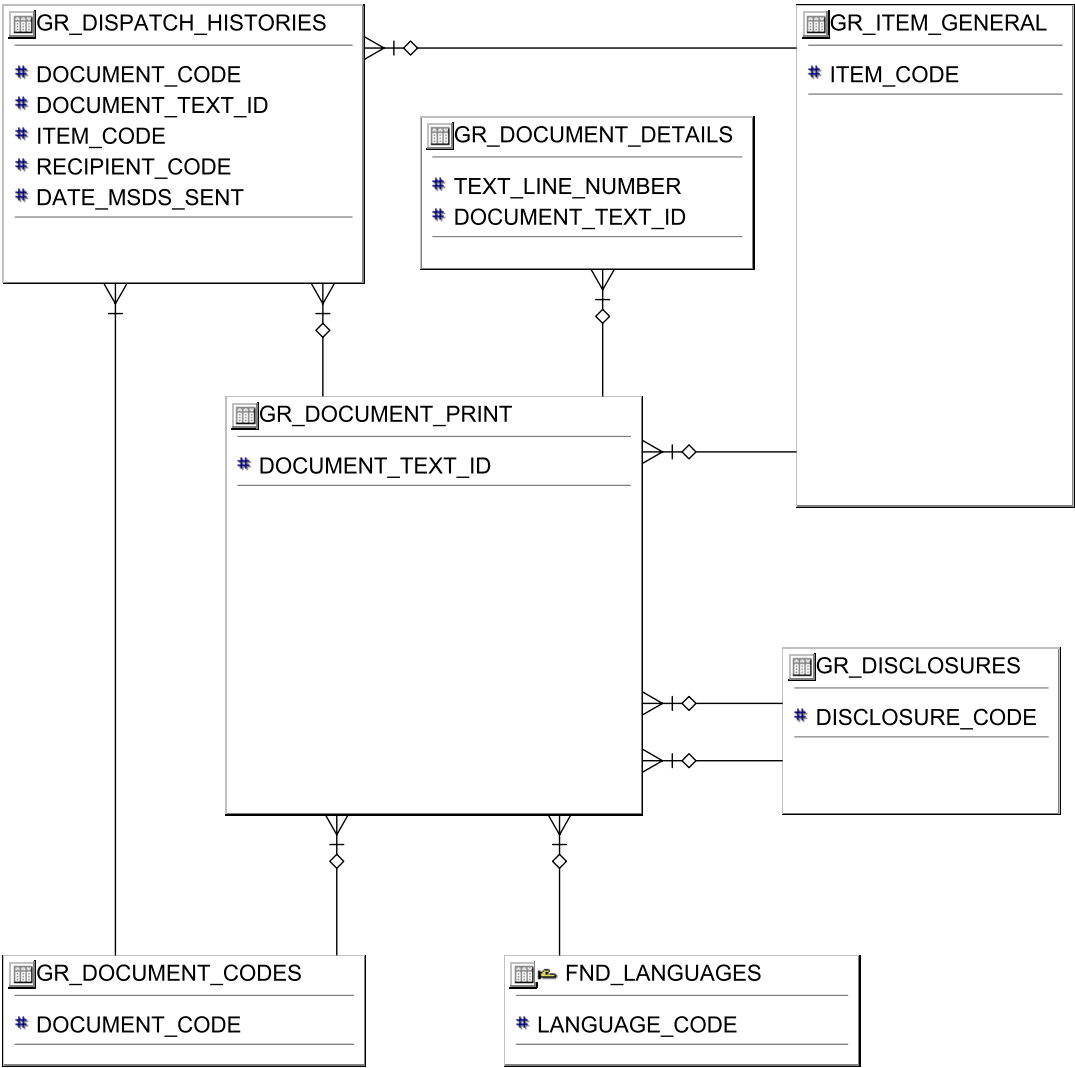
# Organization Contacts

	GR_ORGANIZATION_CONTACTS
#	ORGN_CODE

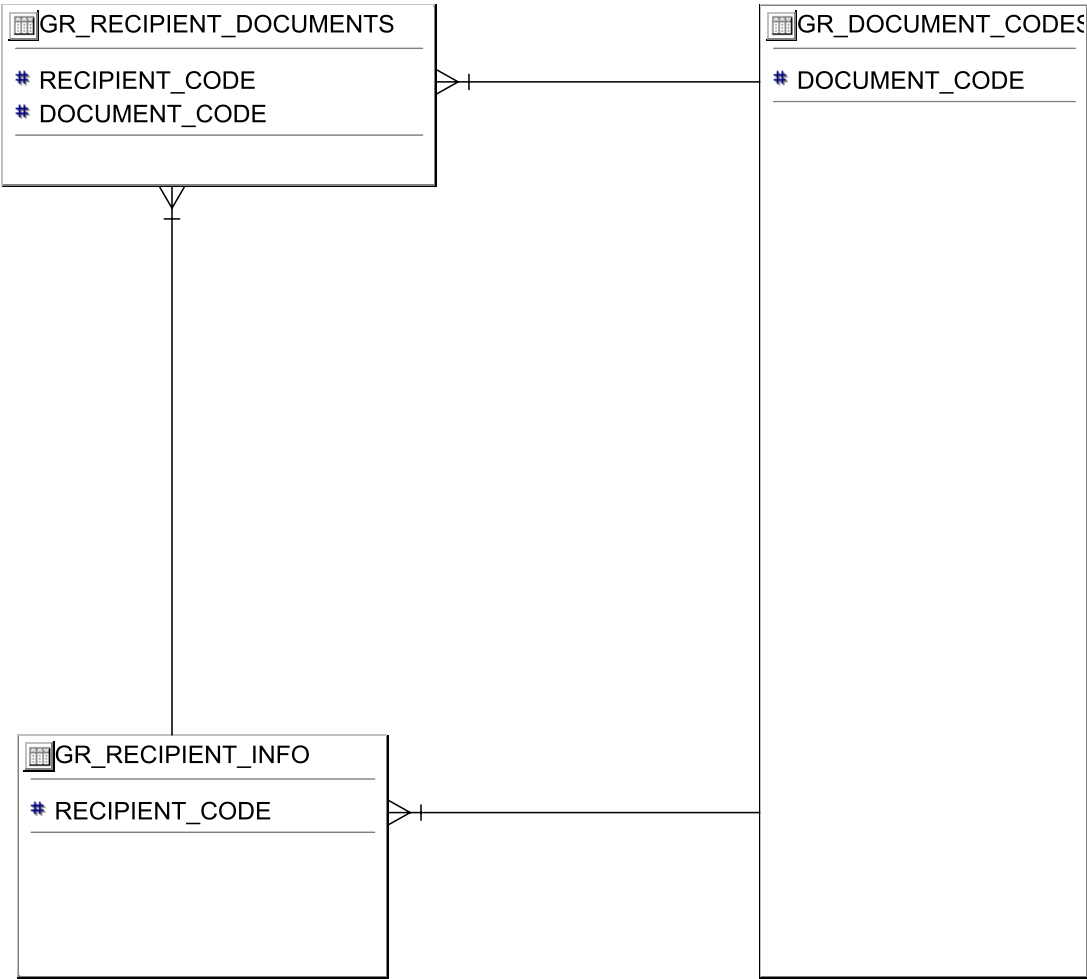
# Phrase Information




# Print Documents



# Print Recipient Documents

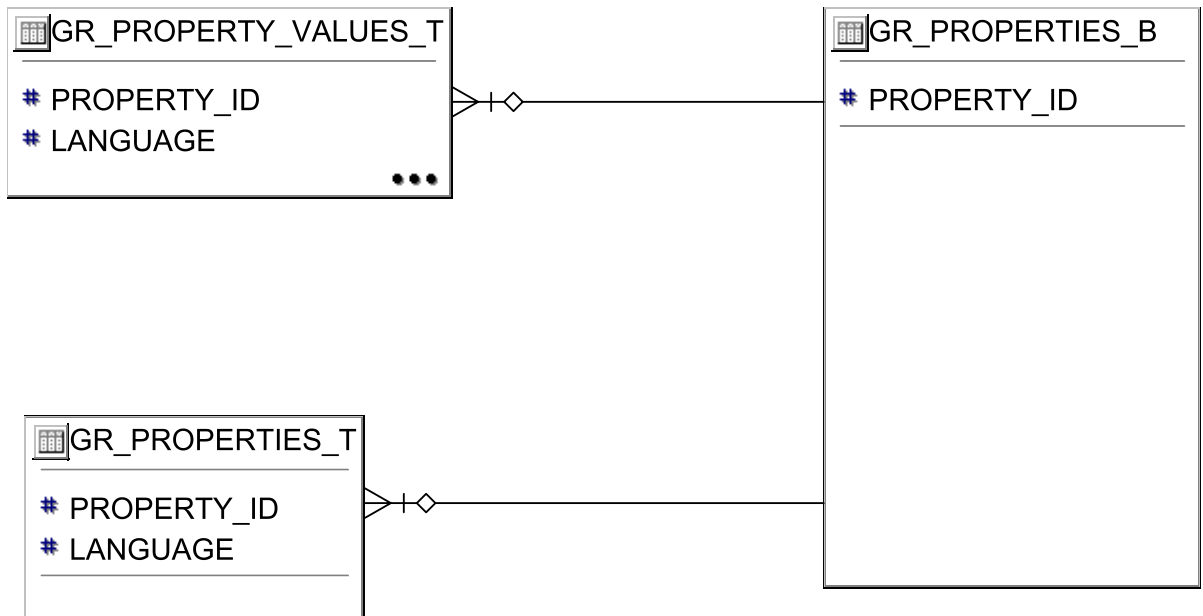


# Product Classes

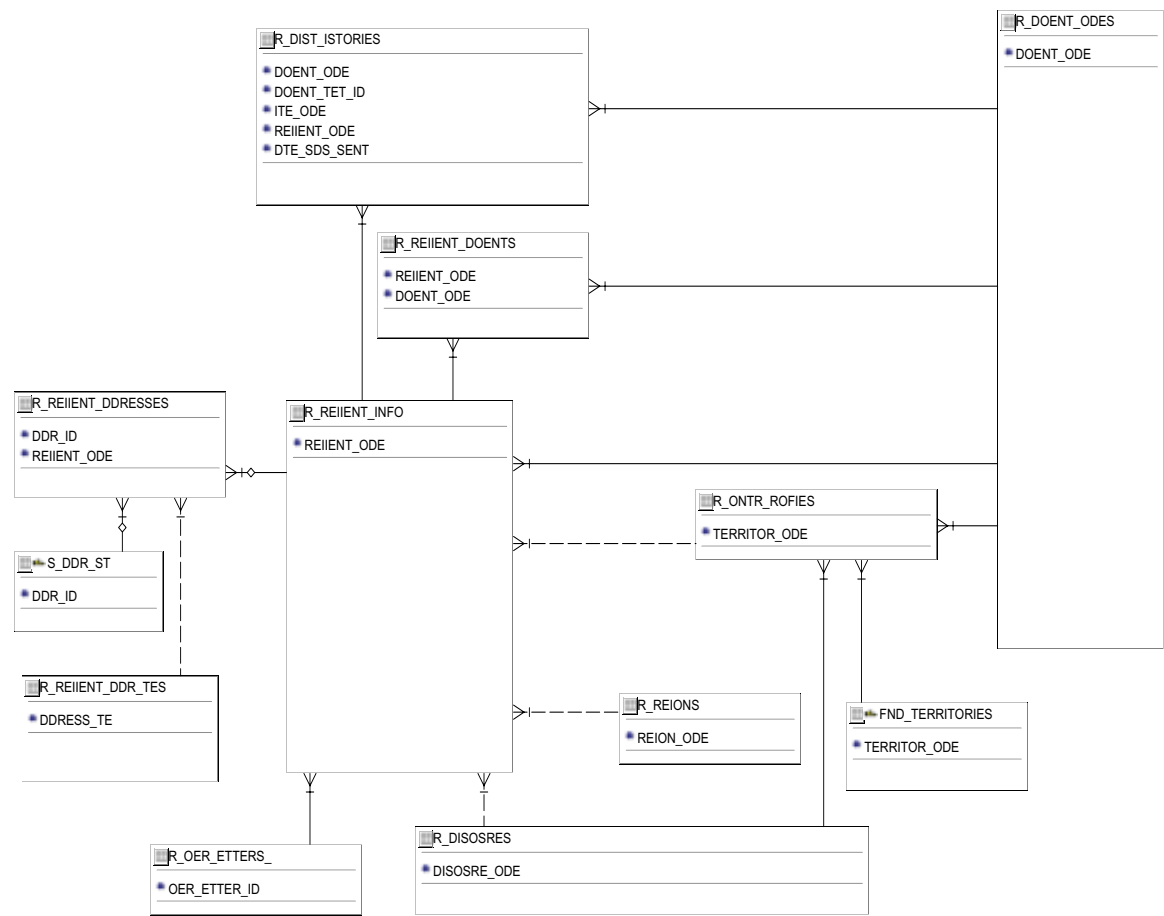
	GR_PRODUCT_CLASSES
#	PRODUCT_CLASS



## Properties

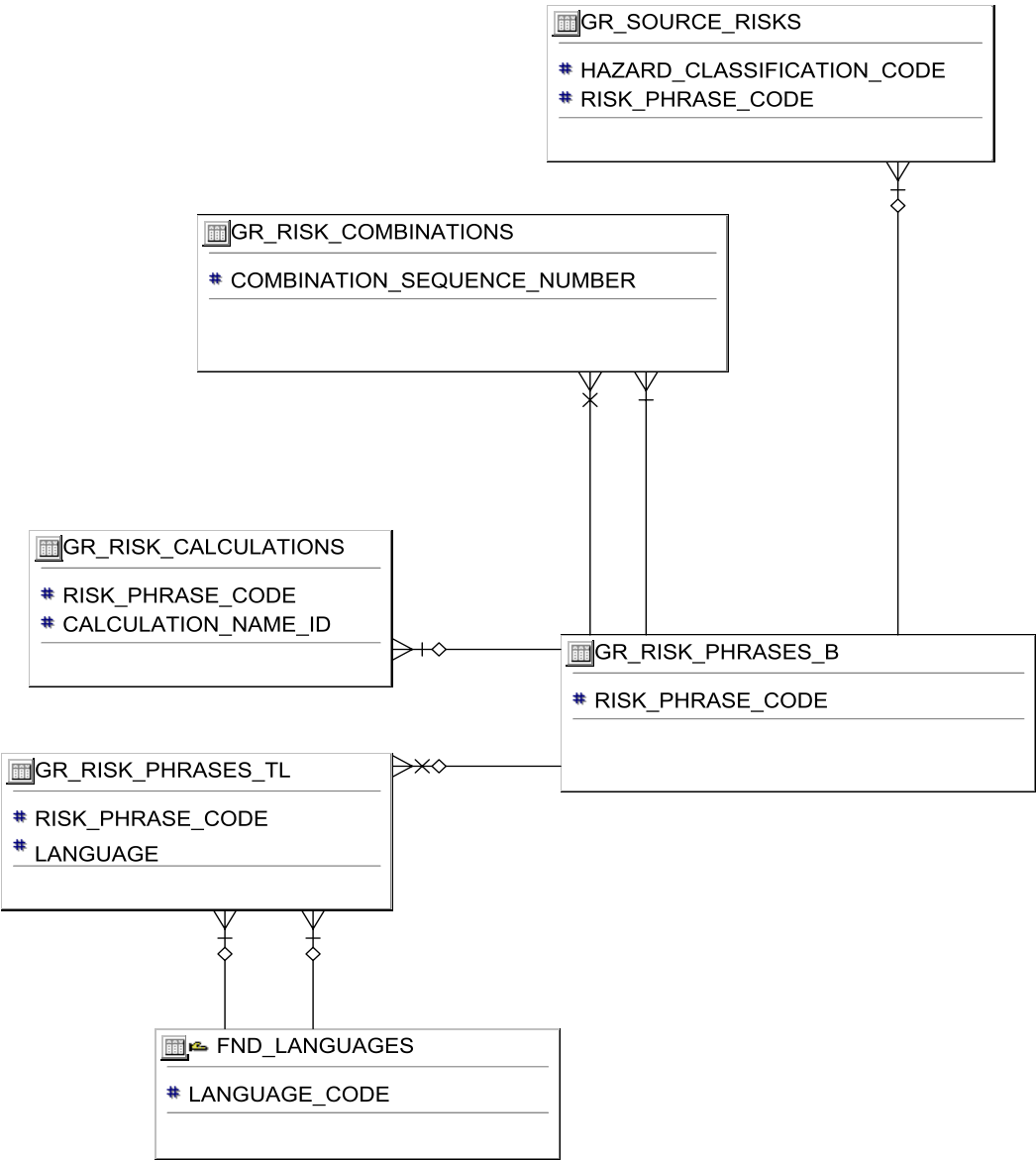


# Recipient Information

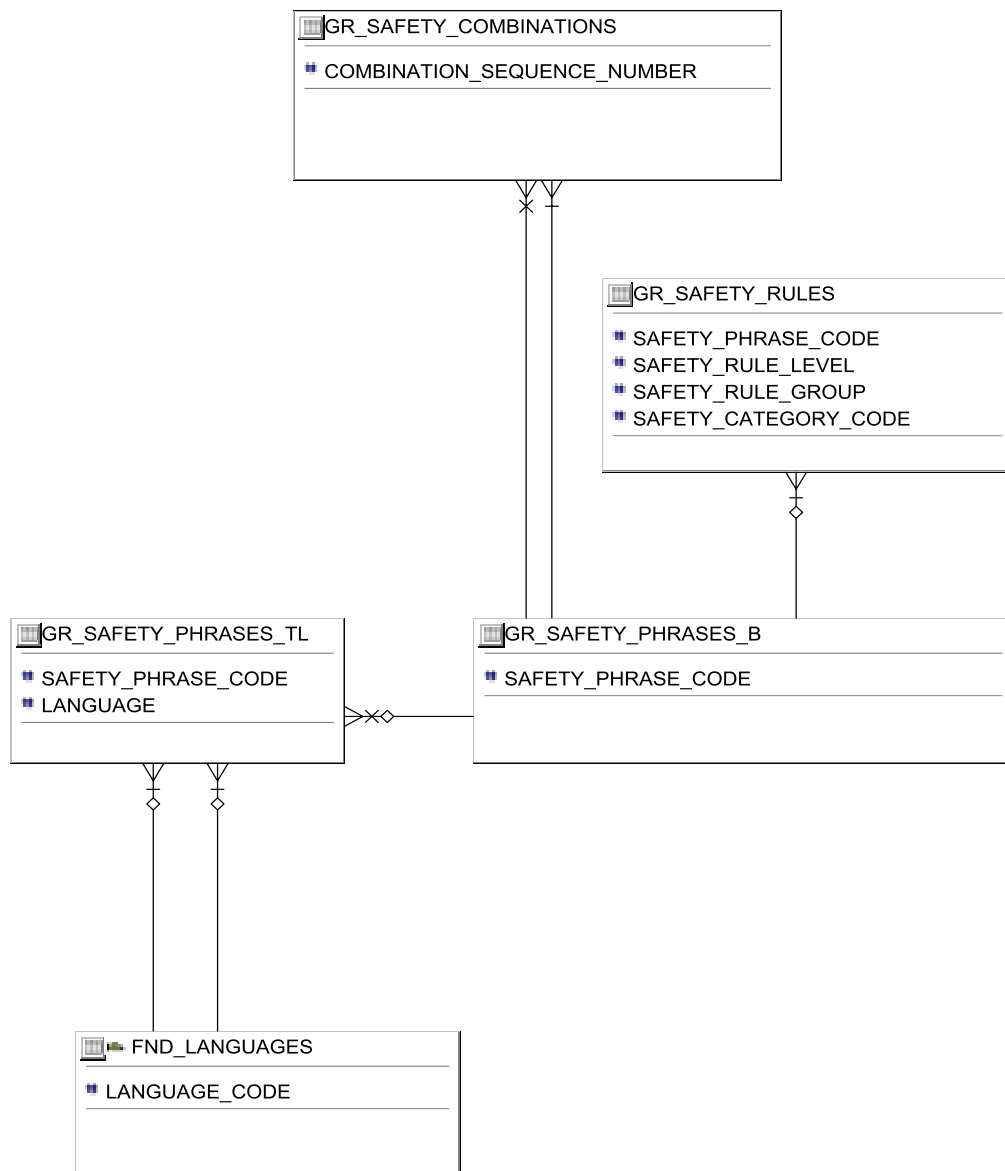




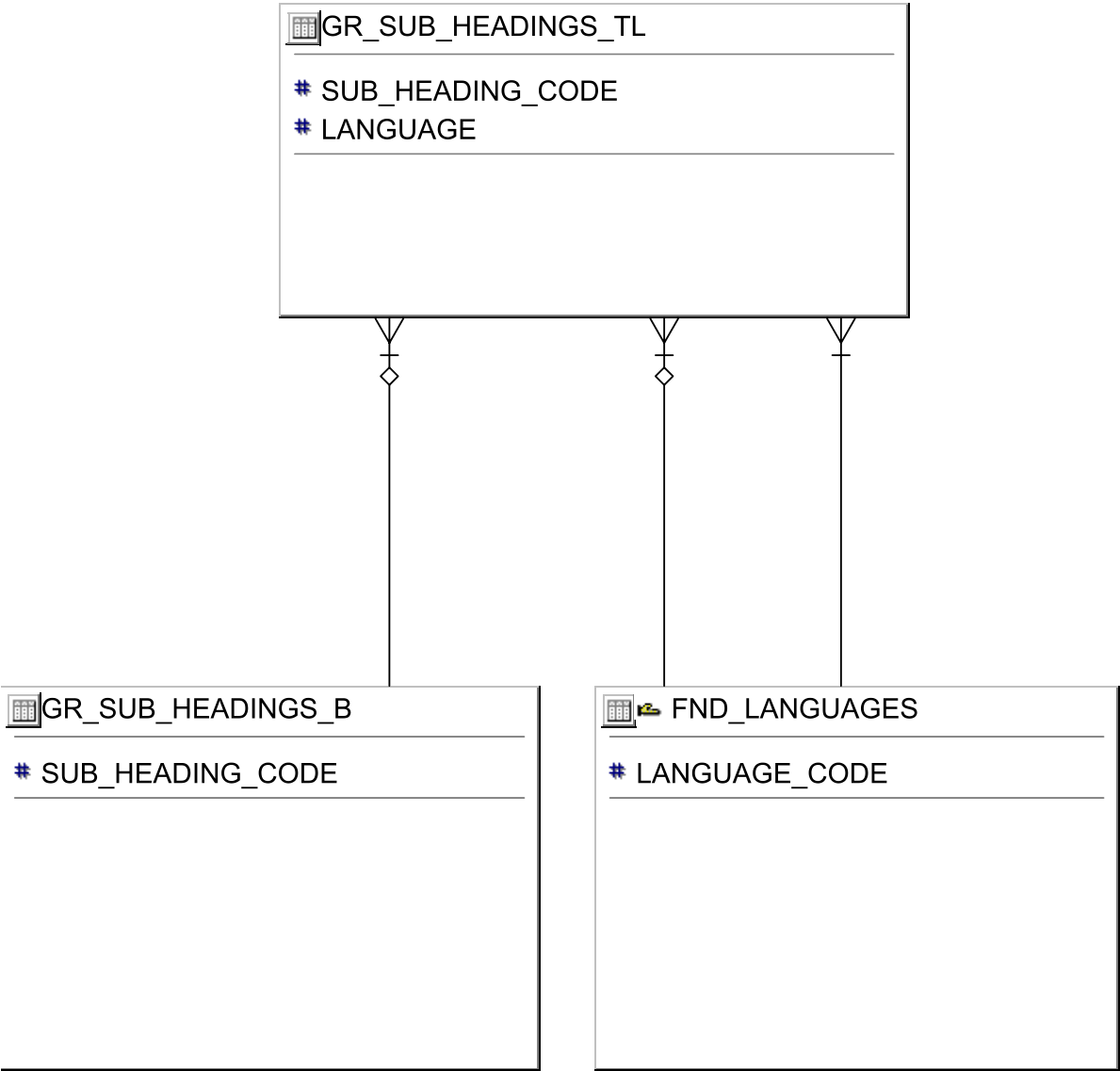
# Risk Phrases



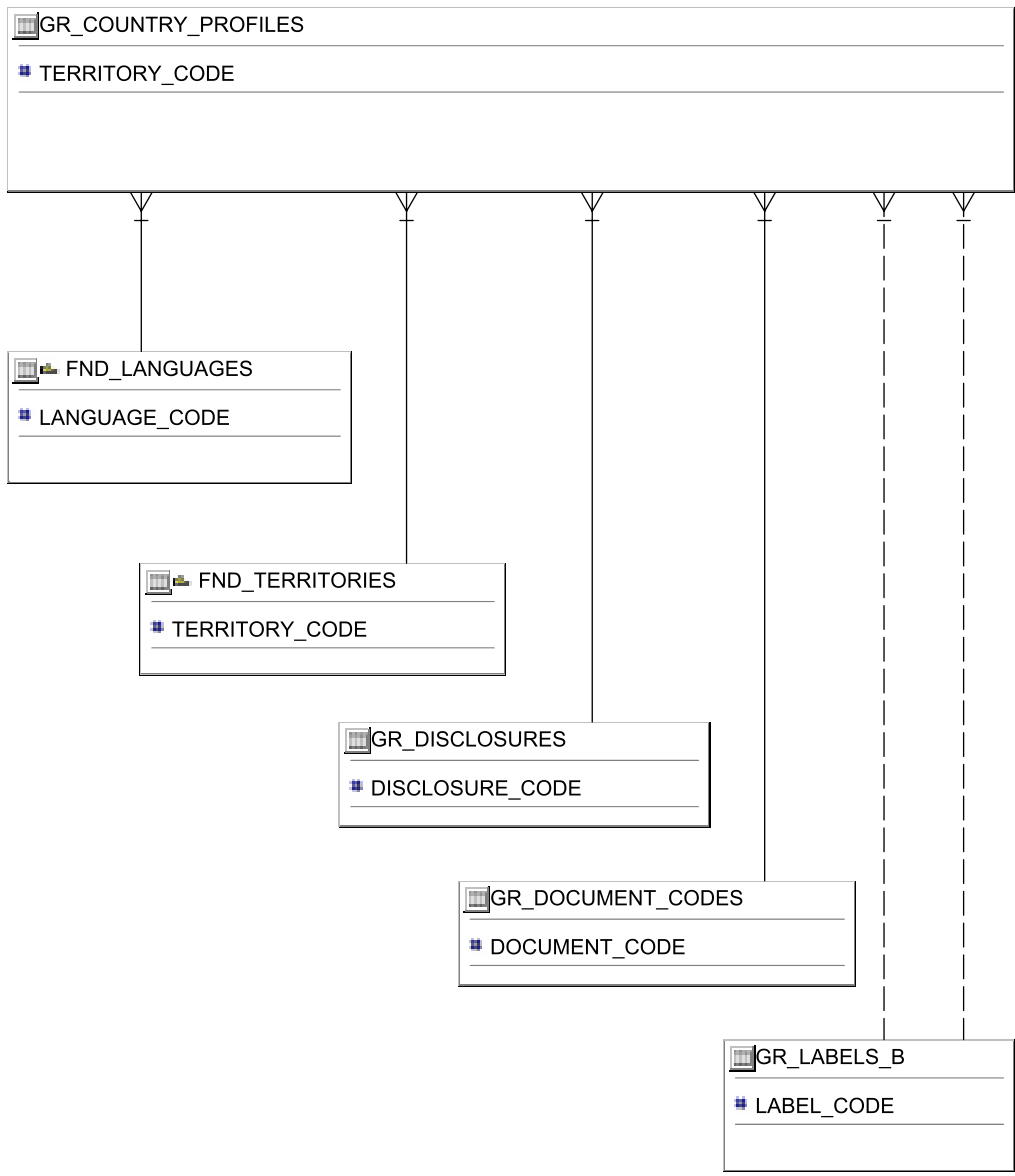
## Safety Phrases

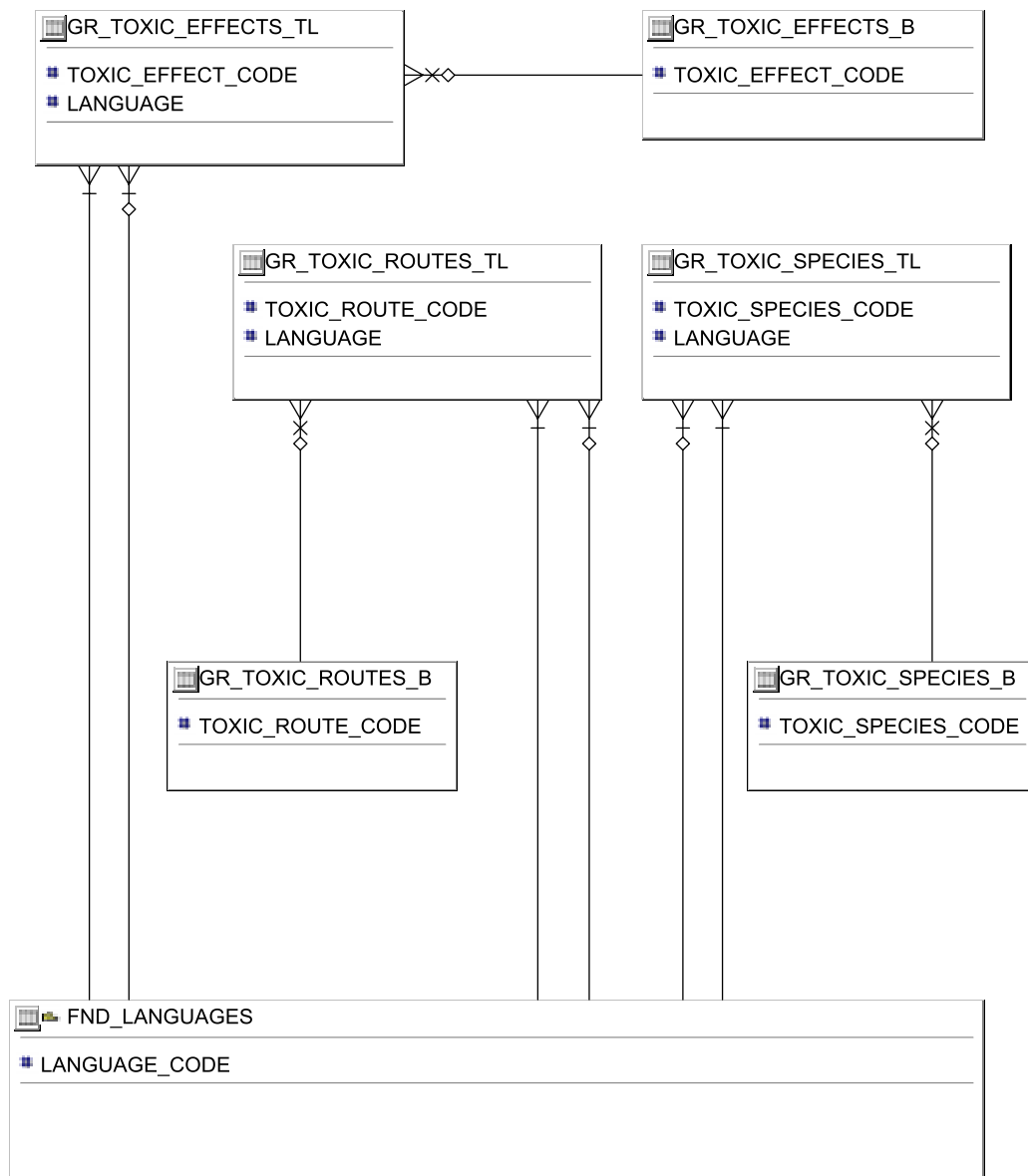


# Subheadings



# Territory Profiles







## Public Table List

This section lists each public database table that OPM Regulatory Management uses and provides a brief description of each of those tables.

Note that "public" tables are not necessarily intended for write access by custom code; Oracle Corporation supports write access using only standard Oracle Applications forms, reports, and programs, or any SQL write access to tables explicitly documented as API tables. For more information, see the How Not To Use This Manual section of this book's Introduction.

OPM Regulatory Management uses the following Public tables:

Table Name	Description
AR_LOCATION_VALUES	Defines the Location and Description for each of the value sets used in the Sales Tax Location Flexfield
FND_LANGUAGES	National dialects
FND_LANGUAGES_TL	Translations for FND_LANGUAGES
FND_LOGIN_RESPONSIBILITIES	Sign-On Audit information about when and who changes responsibilities in an application
FND_PROFILE_OPTIONS	User profile options
FND_PROFILE_OPTION_VALUES	Values of user profile options defined at different profile levels
FND_RESPONSIBILITY	Responsibilities
FND_RESPONSIBILITY_TL	Translations for FND_RESPONSIBILITY
FND_TERRITORIES	Territories, also known as countries
FND_TERRITORIES_TL	Translations for FND_TERRITORIES
FND_USER	Application users
GR_ADDITIVE_CALCS	Contains Hazard Class Code and Risk Phrase Code. The Hazard Class Code is optional and will display on a form as Hazard to Assign. The Risk Phrase Code is optional and will display or print on a form as Apply Risk Phrase. NOTE:Hazard Class Code and Risk Phrase Code do not have a maintenance form for this table.
GR_ADD_MANDATORY_RISKS	Contains European Hazard Classifications. Works in conjunction with the Additive table.

Table Name	Description
GR_AUDIT	History of changes to any record.
GR_CALCULATED	Contains the calculated values for attributes, such as heavy elements, lists, and physical properties.
GR_CALCULATION_NAMES	Contains the Calculation Names that control the calculation routines for Risk Phrases.
GR_CONC_RANGES	One record for each organization code
GR_COUNTRY_PROFILES	Contains Country Codes and Descriptions that can be linked to a customer so that documents display or print in the appropriate country's format.
GR_COVER_LETTERS_B	The base table for the cover letter for the recipient and the default cover letter for the Organization table.
GR_COVER_LETTERS_TL	The translation table for the cover letter for the recipient and the default cover letter for the Organization table.
GR_DISCLOSURES	Contains Disclosure information and Minimum, Text, Label, Exposure, and Toxicity Reporting Levels for an ingredient.
GR_DISPATCH_HISTORIES	Contains transaction information, such as who received what and when.
GR_DOCUMENT_CODES	Contains the date format and determines whether detailed ingredient, toxic, and exposure information displays or prints on the document. Also allows customization of the appearance of the detailed elements.
GR_DOCUMENT_DETAILS	Contains each phrase as it will display or print on the document.
GR_DOCUMENT_HEADINGS	Contains the headings and subheadings linked to a document.
GR_DOCUMENT_PRINT	Contains print information for the document by Item Code, Document Code, and Date.
GR_DOCUMENT_RTK	Contains the Right-to-Know (RTK) detail information that will display or print on the document.
GR_DOCUMENT_STRUCTURES	Contains the detailed breakdown of how the document will display or print. A row of date format and detailed ingredient, toxic, and exposure information information must be defined in the Document Code entity before structure details are built.
GR_EIN_ASL_CONCS	Contains one record of concentration information for each EINECS Number (European Inventory of Existing Chemical Substances number).

Table Name	Description
GR_EIN_ASL_RISKS	Contains the EINECS Number (European Inventory of Existing Chemical Substances number) phrases associated with the ASL (Approved Supply List) concentrations.
GR_EMEA	Contains Europe and Middle East-specific regulatory information about the item.
GR_EUROHAZARDS_B	Contains European Hazard Classification description information.
GR_EUROHAZARDS_TL	This entity stores the hazard description information in multiple languages
GR_EURO_DEFAULT_CONCS	Contains European Default Hazard Classification information.
GR_EURO_MANDATORY_RISKS	Contains the Risk Phrase codes that must be assigned for a hazard when classifying that hazard according to the European directives.
GR_EXPOSURE_AUTHS	
GR_EXPOSURE_AUTHS_B	Contains the Exposure Authority Code.
GR_EXPOSURE_AUTHS_TL	Contains the Exposure Authority Description in multiple languages.
GR_EXPOSURE_AUTH_T	
GR_EXPOSURE_TYPES_B	Contains the Exposure Type Code.
GR_EXPOSURE_TYPES_TL	Contains the Exposure Type Description in multiple languages.
GR_GENERIC_ITEMS_B	Stores the generic MSDS that has been assigned for an item.
GR_GENERIC_ML_NAME_TL	Contains the Generic Names for the item, by language.
GR_HAZARD_GROUPS	Contains the Hazard Group Code and Description.
GR_ITEM_CLASSNS	Contains the Classification Code for the item.
GR_ITEM_CONCENTRATIONS	A temporary table used during the document build process.
GR_ITEM_CONC_DETAILS	A temporary table used during the document build process.

Table Name	Description
GR_ITEM_DISCLOSURES	Contains Disclosure information for the item.
GR_ITEM_DOCUMENT_DTLS	Contains the phrase definition for the item on the document.
GR_ITEM_DOC_STATUSES	Contains the last change date and Item Document Status.
GR_ITEM_EXPOSURE	Contains the exposure limit information for the item listed by country and authority. The exposure limit information shown on a document is controlled in two places, at the country and document levels. At the country level, a country can select to print exposure information for another country. For example, Canada (CA) can select the exposure country code US to print exposure information for the US. At the document level, a flag indicates whether exposure limit information will be included on the document and under what heading it will be displayed.
GR_ITEM_GENERAL	Stores regulatory information that further identifies the item. It also stores flags that govern what data displays on the MSDS.
GR_ITEM_GROUPS_B	Contains the item Group Code and Description and Consolidated Toxicity and Exposure Data.
GR_ITEM_GROUPS_TL	Contains the Item Group Description in multiple languages.
GR_ITEM_PROPERTIES	Contains the characteristics of the item such as physical properties, transport, and country-specific information.
GR_ITEM_RIGHT_TO_KNOW	Contains product composition information pertinent to each state's reporting level.
GR_ITEM_RISK_PHRASES	Contains the Standard European Risk Phrase for the item. Multiple rows of Risk Phrase information can exist for each item.
GR_ITEM_SAFETY_PHRASES	Contains the European Safety Phrase for the item. Multiple rows of Safety Phrase information can exist for each item.
GR_ITEM_TOXIC	This entity holds the toxicity information recorded for an item. There can be multiple rows of toxic information for each item.
GR_LABELS_B	Contains many label classes, each containing many rows that define the format and text for each line on the document. For example, a label of BOILING will determine how and where the physical characteristics of boiling point display on the document.

Table Name	Description
GR_LABELS_TL	Contains the Label Description that will be displayed or printed on the document. One row displays for each language for each label code.
GR_LABEL_CLASSES_B	The LABEL CLASS groups the label codes together into like areas such as HEADER, PHYSICAL and TRANSPORT. Although we will distribute the application with a number of pre-defined label classes, users can add to them.
GR_LABEL_CLASSES_TL	Contains the Label Class Description in multiple languages.
GR_LABEL_CLASS_RESPS	Contains the Responsibility Code that can be assigned to the label. Primarily used for security purposes in the application. For example, someone responsible for transportation information will only have labels that are linked to that responsibility and can navigate only to the Transportation form.
GR_LABEL_PROD_CLASSES	Contains the product classes that will not print the label code and associated information.
GR_LABEL_PROPERTIES	Contains the display properties for the label for each item code. For example, the label Color has a display property of text or phrase entry, and boiling point has display properties of text, low range, high range, and temperature scale.
GR_LINKED_RISKS	Contains additional Risk Phrase Codes for European environmental class hazards that are linked to the first Risk Phrase Code.
GR_MAIN_HEADINGS_B	Contains the Main Heading Code where the heading text is located and where the Glossary heading text is located. Codes are both system-defined and user-defined.
GR_MAIN_HEADINGS_TL	The Main Heading Description.
GR_MULTILINGUAL_NAME_TL	Contains the Document, Shipping, Trade, and Chemical Family Names for the item, by language.
GR_ORGANIZATION_CONTACTS	Contains the contact information for the organization
GR_OTHER_NAMES_TL	The synonym entity records alternative names for an item by language. They will be sequenced in one of two ways, as determined by the preference SYNONYM STORAGE SEQUENCE. The values for this are 'A' -- Alphabetically, in which case the sequence number will always be zero or 'E' -- Entered sequence, in which case the synonyms will always appear in the order they were entered.

Table Name	Description
GR_PHRASES_B	Contains the high-level information about the Phrase, the Label Code, and the wording that identifies where on the document the phrase normally displays or prints. The default can be overridden when the phrase is attached to an item or a document.
GR_PHRASES_TL	Contains information for indexing and the print image.
GR_PHRASE_CONCS	Contains at least one record for a phrase. Also holds the type and hierarchy associated with the concentration levels for the phrase.
GR_PHRASE_CONFLICTS	Contains the action for resolving conflicting text phrases.
GR_PHRASE_GROUP_ASSOC	Contains the Phrase Group Sequence Number.
GR_PHRASE_GROUP_CODES	Contains the Phrase Group Code and Description.
GR_PHRASE_TYPES	Contains the Phrase Type Code and Description
GR_PRODUCT_CLASSES	Contains the classifications of products with similar requirements or properties, such as solids or acid-based products.
GR_PROPERTIES_B	Contains the Property Code and Indicator for the label attributes. A label can have several Property Codes.
GR_PROPERTIES_TL	Contains the Property Description for the label attributes. A label can have several Property Codes.
GR_PROPERTY_VALUES_TL	Contains the Description, Value, and Meaning used to validate the data entered for the property. For example, Marine Pollutants can have values of N (Not a Pollutant), P (Marine Pollutant), PP (Severe Pollutant), and U (Unknown).
GR_RECIPIENT_ADDRESSES	Contains multiple address information for the customer.
GR_RECIPIENT_ADDR_TYPES	Contains additional address types and descriptions that fall outside of the standard shipping and invoice addresses
GR_RECIPIENT_DOCUMENTS	This entity will only be populated if the ADDITIONAL DOCUMENTFLAG on the customer entity is set to 'Y'. It allows the user to specify the printing of additional documents with the primary document. An example of this might be the primary document being the MSDS and an additional document being a technical or VOC data sheet.

Table Name	Description
GR_RECIPIENT_INFO	Contains additional customer specific information.
GR_REGIONS	Stores the region code and its description. Each record represents a geographic region.
GR_REGION_ LANGUAGES	Contains the language and region combinations.
GR_RISK_ CALCULATIONS	Contains the flags that associate carcinogenic, health, and toxicity classifications with Risk Phrases.
GR_RISK_ COMBINATIONS	Contains the Group and Sequence information for listing multiple Risk Phrase Codes.
GR_RISK_PHRASES_B	Stores the code and name of acceptable phrases in multiple languages.
GR_RISK_PHRASES_TL	Stores the code and name of acceptable phrases in multiple languages.
GR_SAFETY_ CATEGORIES_B	The safety category code that is used in the European classification process.
GR_SAFETY_ CATEGORIES_TL	Stores the safety category code in multiple languages.
GR_SAFETY_ COMBINATIONS	Contains the Group and Sequence information for combining multiple Safety Phrase Codes.
GR_SAFETY_PHRASES_ B	Stores the code and name of acceptable phrases in multiple languages.
GR_SAFETY_PHRASES_ TL	Stores the code and name of acceptable phrases in multiple languages.
GR_SAFETY_RULES	Because of the complexity and volume of information stored in this table there will be no maintenance program provided to the user. Changes will typically be made using uploaded PL/SQL scripts.
GR_SELECTION	Contains a table which holds the information for which document is to be printed from the Sales Order Processing information.
GR_SELECTION_ HEADER	Contains all the selection criteria for printing documents from Sales Orders that have been taken and/or shipped.
GR_SOURCE_RISKS	Contains the Risk Phrases that are applied based on the ingredient.
GR_SPHRASE_ CONFLICTS	Contains the safety phrases that when combined would conflict and the safety phrase that should be applied in the situation.

Table Name	Description
GR_SUB_HEADINGS_B	Contains the Sub Heading Code for the sub heading text.
GR_SUB_HEADINGS_TL	The Sub Heading Description.
GR_TOXIC_EFFECTS_B	This entity stores, by language, the standard observed toxic effects. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_TOXIC_EFFECTS_TL	This entity stores, by language, the standard observed toxic effects. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_TOXIC_ROUTES_B	This entity stores, by language, the description of the route of administration for the toxicity test. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_TOXIC_ROUTES_TL	This entity stores, by language, the standard observed toxic routes. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_TOXIC_SPECIES_B	This entity stores, by language, the standard codes and descriptions for animal species used in testing. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_TOXIC_SPECIES_TL	This entity stores, by language, the standard codes and descriptions for animal species used in testing. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.
GR_WORK_ADDITIVES	Contains a temporary table used during the document build process.
GR_WORK_ADDITIVE_RISKS	Contains a temporary table used during the document build process.
GR_WORK_BUILD_DOCS	Contains a temporary table used during the document build process.
GR_WORK_CLASSNS	Contains a temporary table used during the document build process.
GR_WORK_CLASSN_RISKS	Contains a temporary table used during the document build process.
GR_WORK_COUNTRY	Contains a temporary table used during the heavy element build process.



Table Name	Description
GR_WORK_HEAVY_ELEMENTS	Contains a temporary table used during the heavy element build process.
GR_WORK_INGRED_CONCS	Contains a temporary table used during the document build process.
GR_WORK_SAFETY_CATEGORY	Contains a temporary table used during the document build process.
GR_WORK_SAFETY_PHRASES	Contains a temporary table used during the document build process.
GR_WORK_WORKSHEETS	Work table for printing worksheets.
IC_ITEM_MST	This is the Item definition table. It contains all information relating to an item, such as lot/sublot control, unit of measure information, and all class and type designations.
SY_ADDR_MST	Address master.
SY_ORGN_MST	Organization code master.

## Public View List

This section lists each public database view that OPM Regulatory Management uses and provides a brief description of each of those views. These views may be useful for your custom reporting or other data requirements.

OPM Regulatory Management uses the following public views:

View Name	Description
GR_COUNTRY_PROFILES_V	Contains the rows for the country profiles
GR_DOCUMENT_CODES_V	Contains the rows for the document code
GR_EUROHAZARDS_B_V	Contains the rows for the hazard classification code
GR_EUROHAZARDS_TL_V	Contains the rows for the hazard classification code that have a language dependent description for the hazard classification code
GR_EUROHAZARDS_VL	Contains the rows that have a language dependent description for the hazard code where the language is equal to the user environment variable LANG.

View Name	Description
GR_EXPOSURE_AUTHS_B_V	Contains the rows for the exposure authority code
GR_EXPOSURE_AUTHS_TL_V	Contains the rows that have a language dependent description for the exposure authority code
GR_EXPOSURE_AUTHS_VL	Contains the rows that have a language dependent description for the exposure authority code where the language is equal to the user environment variable LANG.
GR_EXPOSURE_TYPES_B_V	Contains the rows for the exposure type code
GR_EXPOSURE_TYPES_TL_V	Contains the rows that have a language dependent description for the exposure type code.
GR_EXPOSURE_TYPES_VL	Contains the rows that have a language dependent description for the exposure type code where the language is equal to the user environment variable LANG.
GR_GENERIC_ITEMS_VL	Contains the rows that have a language dependent description for the generic item code where the language is equal to the user environment variable LANG.
GR_GENERIC_ML_NAME_TL_V	Contains the rows that have a language dependent name description for the generic item code where the language is equal to the user environment variable LANG.
GR_HAZARD_GROUPS_V	Contains the rows for the hazard group code
GR_ITEM_CLASSNS_VL	Contains the rows for the item classification code that have a language dependent description for the item classification code
GR_ITEM_EXPOSURE_VL	Contains the rows for the item exposure code that have a language dependent description for the item exposure code
GR_ITEM_GENERAL_MSDS_V	Contains only the rows that reflect the MSDS name for the item in the users environment language
GR_ITEM_GENERAL_V	Contains only the rows that reflect the name for the item in the users environment language
GR_ITEM_GROUPS_B_V	Contains the rows for the item group code
GR_ITEM_GROUPS_TL_V	Contains the rows that have a language dependent item group description.
GR_ITEM_GROUPS_VL	Contains the rows that have a language dependent description for the item group code where the language is equal to the user environment variable LANG.

View Name	Description
GR_ITEM_RISK_PHRASES_VL	Contains the rows that have a language dependent description for the item risk phrase where the language is equal to the user environment variable LANG.
GR_ITEM_SAFETY_PHRASES_VL	Contains the rows that have a language dependent description for the item safety phrase where the language is equal to the user environment variable LANG.
GR_ITEM_TOXIC_VL	Contains the rows that have a language dependent description for the item toxic phrase where the language is equal to the user environment variable LANG.
GR_LABELS_TL_V	Contains the rows that have a language dependent description for the label code where the language is equal to the user environment variable LANG.
GR_LABELS_VL	Contains the rows that have a language dependent description for the label code where the language is equal to the user environment variable LANG.
GR_LABEL_CLASSES_TL_V	Contains the rows that have a language dependent description for the label class code.
GR_LABEL_CLASSES_VL	Contains the rows that have a language dependent description for the label class code where the language is equal to the user environment variable LANG.
GR_LABEL_CLASS_RESPS_V	Contains the rows for the label class responsibility code.
GR_LABEL_PROP_V	Contains the rows for the label property code.
GR_MAIN_HEADINGS_B_V	Contains the rows for the main heading code
GR_MAIN_HEADINGS_TL_V	Contains the rows that have a language dependent description for the main headings code
GR_MULTILINGUAL_NAME_TL_V	Contains all the rows for the table
GR_OTHER_NAMES_ORGN_V	This view selects unique item/organization combinations from the GR_OTHER_NAMES_TL table and denormalizes the foreign key to the SY_ORGN_MST table for the organization description. (See page)
GR_OTHER_NAMES_TL_V	Contains rows that have a language dependent description for the item/organization combinations for the GR_OTHER_NAMES_TL table.

View Name	Description
GR_PHRASES_B_V	Contains the rows that have a language dependent description for the phrase code.
GR_PHRASES_TL_V	Contains the rows that have a language dependent description for the phrase code.
GR_PHRASES_VL	Contains the rows that have a language dependent description for the phrase code where the language is equal to the user environment variable LANG
GR_PHRASE_CONCS_V	Contains the rows for the phrase concentrations
GR_PHRASE_CONFLICTS_V	Contains the rows for the phrase conflicts
GR_PHRASE_GROUPS_V	Contains the rows for the phrase group code
GR_PHRASE_TYPES_V	Contains the rows for the phrase type code
GR_PROPERTIES_TL_V	Contains the rows that have a language dependent description for the property code
GR_PROPERTY_VAL_V	Contains the rows for the property values table
GR_RECIPIENT_INFO_V	Contains the rows for the recipients information table
GR_REGION_LANG_V	Contains the rows for the region languages table
GR_RISK_COMBINATIONS_V	Contains the rows for the risk combination code
GR_RISK_PHRASES_B_V	Contains the rows for the risk phrase code
GR_RISK_PHRASES_TL_V	Contains the rows that have a language dependent description for the risk phrases code
GR_RISK_PHRASES_VL	Contains the rows that have a language dependent description for the risk phrase code where the language is equal to the user environment variable LANG
GR_SAFETY_COMBINATIONS_V	Contains the rows for the safety combination code
GR_SAFETY_PHRASES_B_V	Contains the rows for the safety phrase code
GR_SAFETY_PHRASES_TL_V	Contains the rows that have a language dependent description for the safety phrase code

View Name	Description
GR_SAFETY_PHRASES_VL	Contains the rows that have a language dependent description for the risk phrase code where the language is equal to the user environment variable LANG
GR_SUB_HEADINGS_B_V	Contains the rows for the sub heading code
GR_SUB_HEADINGS_TL_V	Contains the rows that have a language dependent
GR_TOXIC_EFFECTS_B_V	Contains the rows that have a language dependent description for the toxic effect code
GR_TOXIC_EFFECTS_TL_V	Contains the rows that have a language dependent description for the toxic effect code
GR_TOXIC_EFFECTS_VL	Contains the rows that have a language dependent description for the toxic effect code where the language is equal to the user environment variable LANG.
GR_TOXIC_ROUTES_B_V	Contains the rows that have a language dependent description for the toxic route code
GR_TOXIC_ROUTES_TL_V	Contains the rows that have a language dependent description for the toxic route code
GR_TOXIC_ROUTES_VL	Contains the rows that have a language dependent description for the toxic route code where the language is equal to the user environment variable LANG
GR_TOXIC_SPECIES_B_V	Contains the rows that have a language dependent description for the toxic species code
GR_TOXIC_SPECIES_TL_V	Contains the rows that have a language dependent description for the toxic species code
GR_TOXIC_SPECIES_VL	Contains the rows that have a language dependent description for the toxic species code where the language is equal to the user environment variable LANG.

## Internal View List

This section lists each private, internal view that OPM Regulatory Management uses.

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**Warning:** Oracle Corporation does not support access to Oracle Applications data using these views, except from standard Oracle Applications forms, reports, and programs.

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OPM Regulatory Management uses the following internal views:

- •FND\_USER\_VIEW

## Multilingual View List

This section lists each MultiLingual database view that OPM Regulatory Management uses. MultiLingual views were created to allow certain seed data to be available in multiple national languages simultaneously.

OPM Regulatory Management uses the following Multilingual views:

- •FND\_RESPONSIBILITY\_VL

## Module List

This section lists each form, report and concurrent program comprising OPM Regulatory Management.

## Forms

GRFRM001	Territory Profiles
GRFRM002	Ingredient Concentration Ranges
GRFRM003	Region Codes
GRFRM004	Product Classes
GRFRM005	Label Classes
GRFRM006	Disclosure Codes
GRFRM007	Labels
GRFRM008	Phrase Library
GRFRM009	Phrase Groups
GRFRM010	Conflict Actions
GRFRM011	Safety Phrases
GRFRM012	Risk Phrases
GRFRM013	Toxic Effects
GRFRM014	Toxic Routes of Administration
GRFRM015	Toxic Species
GRFRM016	Exposure Authorities
GRFRM017	Exposure Types
GRFRM018	Document Codes
GRFRM019	Recipient Information
GRFRM020	Master Item Template
GRFRM021	Cover Letters
GRFRM022	Organization Contacts
GRFRM023	Regulatory Item Information
GRFRM037	Recipient Documents
GRFRM039	Hazard Classification
GRFRM040	Hazard Classification Groups
GRFRM043	Subheadings
GRFRM044	Main Headings

GRFRM046	Phrase Types
GRFRM047	Select Print Options
GRFRM048	Approve Print Selections
GRFRM049	Update Completed Batches
GRFRM050	Properties
GRFRM052	Item Group Codes
GRFRM053	Recipient Address Types
GRFRM057	Print Documents
GRFRM058	Print Worksheets



## Reports

GRRPT001	Territory Profiles Report
GRRPT003	Region Codes Report
GRRPT004	Product Class Codes Report
GRRPT005	Label Class Codes Report
GRRPT006	Risk Phrases Report
GRRPT007	Safety Phrases Report
GRRPT008	Disclosure Codes Report
GRRPT009	Label Codes Report
GRRPT011	Phrase Library Report
GRRPT012	Phrase Groups Report
GRRPT013	Conflict Actions Report
GRRPT014	Toxic Effects Report
GRRPT015	Toxic Routes of Administration Report
GRRPT016	Toxic Species Report
GRRPT017	Exposure Authorities Report
GRRPT018	Exposure Types Report
GRRPT019	Recipients Report
GRRPT020	Locked Documents Report
GRRPT021	Label Where Used Report
GRRPT022	Phrase Where Used Report
GRRPT024	Document Dispatch Histories Report
GRRPT025	SARA 312 Tier II Listed Items Report
GRRPT026	SARA 313 Listed Items Report
GRRPT028	Generic Items Report
GRRPT031	Hazard Classification Codes Report
GRRPT032	Hazard Classification Group Codes Report
GRRPT033	Document Main Headings Report
GRRPT034	Document Sub Headings Report

GRRPT036

Phrase Type Code Report

## Concurrent Programs

GR_COVER_LETTER_B	Cover Letter Base Table Handler
GR_COVER_LETTER_ TL	Cover Letter Translation Table Handler
GR_DISCLOSURE	Disclosure Table Handler
GR_DISPATCH_ HISTORY	Dispatch History Table Handler
GR_DOCUMENTS	Document Information Table Handler
GR_DOCUMENT_ CODE	Document Code Table Handler
GR_DOCUMENT_ DETAIL	Document Details Table Handler
GR_DOCUMENT_ HEADING	Document Heading Table Handler
GR_DOCUMENT_ PRINTS	Document Print Table Handler
GR_DOCUMENT_RTK_ P	Document RTK Table Handler
GR_DOCUMENT_ STRUCT	Document Structures for Document Code Table Handlers
GR_EMEA_P	Europe and Middle East Specific Information Table Handler
GR_EUROHAZARD_B	Eurohazards Base Table Handler
GR_EUROHAZARD_TL	Eurohazard Translation Table Handler
GR_EXPLOSIONS	Explosion Table Handler
GR_EXPOSURE_ AUTH_B	Exposure Authority Base Table Handler
GR_EXPOSURE_ AUTH_TL	Exposure Authority Translation Table Handler
GR_EXPOSURE_TYPE_ B	Exposure Type Base Table Handler
GR_EXPOSURE_TYPE_ TL	Exposure Type Translation Table Handler

GR_GENERIC_ITEM_ BGeneric Item Base Table Handler	
GR_GENERIC_ML_ NAME_T	Generic ML Name Translation Table Handler
GR_HAZARD_ GROUPS_PKG	Hazard Groups Table Handler
GR_ITEM_CLASSIFNS	Item Classifications Table Handler
GR_ITEM_CONC	Item Concentrations Table Handler
GR_ITEM_CONC_ DETAIL	Item Concentration Details Table Handler
GR_ITEM_ DISCLOSURE	Item Disclosure Table Handler
GR_ITEM_ DOCUMENT_DTL	Item Document Details Table Handler
GR_ITEM_DOC_ STATUS	Item Document Status Table Handler
GR_ITEM_EXPOS_P	Item Exposure Table Handler
GR_ITEM_GENERAL_P	Item General Table Handler
GR_ITEM_GROUPS_B_ P	Item Groups Base Table Handler
GR_ITEM_GROUPS_ TL_P	Item Groups Table Handler
GR_ITEM_PROPERTY	Item Properties Table Handler
GR_ITEM_RIGHT_TO_ KNO	Item Right To Know Table Handler
GR_ITEM_RISK_ PHRASE	Risk Phrase Table Handler
GR_ITEM_SAFETYItem Safety Table Handler	
GR_ITEM_SAFETY_ PHR	Item Safety Phrases Table Handler
GR_ITEM_TOXIC_P	Item Toxic Table Handler
GR_LABELS_B_P	Labels Base Table Handler
GR_LABELS_TL_P	Labels Translation Table Handler

GR_LABEL_CLASSES_B_P	Label Classes Base Table Handler
GR_LABEL_CLASS_TL	Label Classes Translation Table Handler
GR_LABEL_PROPERTY	Label Properties Table Handler
GR_MAIN_HDGS_B	Main Headings Base Table Handler
GR_MAIN_HDGS_TL	Main Headings Translation Table Handler
GR_MULTILINGUAL_NAME	Multilingual Name Translation Table Handler
GR_ORGANIZATION_CONT	Organization Contacts Table Handler
GR_OTHER_NMS_TL	Other Names Translation Table Handler
GR_PHRASES_B_P	Phrases Base Table Handler
GR_PHRASES_TL_P	Phrases Translation Table Handler
GR_PHRASE_CONCS_P	Phrase Concentrations Table Handler
GR_PHRASE_CONFLICT_P	Phrase Conflicts Table Handler
GR_PHRASE_GROUP ASSO	Phrase Group Association Table Handler
GR_PHRASE_GROUP CODE	Phrase Group Codes Table Handler
GR_PHRASE_TYPES_P	Phrase Type Table Handler
GR_PROCESS_DOCUMENTS	Process Documents Table Handler
GR_PROCESS_ORDERS	Process Orders Table Handler
GR_PROPERTIES_B_P	Properties Base Table Handler
GR_PROPERTIES_TL_P	Properties Translation Table Handler
GR_PROPERTY_VALUES_T	Property Values Translation Table Handler
GR_RECIPIENT_INFO_P	Recipient Information Table Handler
GR_REGIONS_P	Regions Table Handler
GR_REGION_LANGS	Region Languages Table Handler

GR_RISK_COMBINATNS	Risk Combinations Table Handler
GR_RISK_PHRASES_BP	Risk Phrases Base Table Handler
GR_RISK_PHRASES_TL_P	Risk Phrases Translation Table Handler
GR_SAFETY_CATEGORIES	Safety Categories Base Table Handler
GR_SAFETY_CATS_TL	Safety Categories Translation Table Handler
GR_SAFETY_COMBINTNS	Safety Combinations Table Handler
GR_SAFETY_PHRSES_BP	Safety Phrases Base Table Handler
GR_SAFETY_PHRSES_TL	Safety Phrases Translation Table Handler
GR_SUB_HEADGS_TL_P	Sub Headings Translation Table Handler
GR_SUB_HEADINGS_BP	Sub Headings Base Table Handler
GR_TOXIC_EFFECT_B	Toxic Effect Translation Table Handler
GR_TOXIC_EFFECT_TL_P	Toxic Effects Translation Table Handler
GR_TOXIC_ROUTES_BP	Toxic Routes Base Table Handler
GR_TOXIC_ROUTES_TL_P	Toxic Routes Translation Table Handler
GR_TOXIC_SPECIES_BP	Toxic Species Base Table Handler
GR_TOXIC_SPECIES_T	Toxic Species Translation Table Handler

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## Detailed Design

This chapter presents a detailed design for implementing Oracle Process Manufacturing (OPM). It contains detailed definitions of tables and views that you may need to reference to write custom reports or use for other data extraction.

## Overview of Detailed Design

During Detailed Design, we specify in detail how each applications component should work. We prepare detailed definitions of tables and views.

You can refer to this Detailed Design chapter to gain a detailed understanding of the underlying structure and processing of OPM that enables you to:

- Convert existing application data
- Integrate OPM with your other applications systems
- Write custom reports
- Define alerts against Oracle Applications tables
- Create views for decision support queries using query tools
- Configure your Oracle Self-Service Web Applications

## Table and View Definitions

The Table and View Definitions section contains a detailed definition of OPM tables. For each table, it provides information about primary keys, foreign keys, QuickCodes, indexes, triggers, and sequences. It also gives you a detailed description of each column and its characteristics. In addition, it provides the SQL statement that defines each view. Review this section to get a detailed understanding of what tables OPM Regulatory Management contains, and how it uses them to hold and access the information it needs.

## Table and View Definitions

This section contains a detailed description of each OPM Regulatory Management table and view that you may need to reference. For each table, it presents detailed information about:

- Primary keys
- Foreign keys
- Column descriptions
- Indexes
- Oracle sequences
- Triggers



- View derivations

Because Oracle does not support customization of Oracle Application Object Library tables, we do not provide you with detailed information about them. Consequently, this section does not document all the FND\_% tables OPM uses.

The following sections appear in each table or view description:

## Foreign Keys

To help you understand the relationships between tables, we list each foreign key contained in a table. For each foreign key in a table, we list the primary key table name (the table to which a foreign key refers), its corresponding primary key columns, and the foreign key columns that refer to those primary key columns.

When the primary key table has a composite primary key, we list each column of the composite key sequentially.

If a table contains two or more distinct foreign keys that refer to the same primary key table, we repeat the primary key table name and list each of the distinct foreign keys separately.

## QuickCodes Columns

When a database column contains a QuickCodes value, which we implement using a foreign key to FND\_LOOKUPS, MFG\_LOOKUPS, or to some other lookup table, we list the QuickCodes type (lookup type) to which the QuickCodes value must belong and a complete list of QuickCodes values and meanings. Some QuickCodes can be defined by you in the application. These values are designated as User-defined.

## Column Descriptions

We list the important characteristics of each column in a table or view. These characteristics include whether the column is part of the table's primary key, whether Oracle8i requires a value for this column, and the data type of the column. We also give you a brief description of how OPM Regulatory Management uses the column.

When a column is part of a table's primary key, we append the notation (PK) to the name of that column.

To help you understand which columns OPM uses and which columns it does not use, we alert you to any unused column. When no module uses a database column, we show one of the following legends in the Description column:

Not currently used	OPM does not use this column, although the column might be used in a future release.
No longer used	OPM no longer uses this column. AutoInstall installs this column. Subsequent versions of OPM might not include this column.
No longer installed	OPM no longer uses this column. If you <i>upgraded</i> your software from an earlier version, you may still have this column, depending upon whether you chose to delete it during an upgrade process. If you <i>install</i> OPM, you do not have this column.

**Standard Who Columns**

Most ORACLE PRODUCT applications tables contain standard columns to support \ **Row Who**. When your program or SQL\*Plus command selects a row from a table, use these columns to determine who last updated the row. If your program or SQL\*Plus command updates or inserts a row in an interface table, you must populate each of the five standard Who columns:

LAST_UPDATE_DATE	Date when a user last updated this row.
LAST_UPDATED_BY	User who last updated this row (foreign key to FND_USER.USER_ID).
CREATION_DATE	Date when this row was created.
CREATED_BY	User who created this row (foreign key to FND_USER.USER_ID).
LAST_UPDATE_LOGIN	Operating system login of user who last updated this row (foreign key to FND_LOGINS.LOGIN_ID). You should set this to NULL, or to 0 if NULL is not allowed.

Since every table containing Who columns has several foreign keys to the tables FND\_USER and FND\_LOGINS, we do not include the foReign key columns LAST\_UPDATED\_BY, CREATED\_BY, or LAST\_UPDATE\_LOGIN in a table's list of foreign keys.

### Additional Who Columns for Concurrent Programs

Some OPM tables also contain several additional Who columns to distinguish between changes a user makes with a form and changes a concurrent program makes. When a concurrent program updates or inserts a row in a table, the concurrent program populates the following additional Who columns:

<b>REQUEST_ID</b>	Concurrent request ID of program that last updated this row (foreign key to FND_CONCURRENT_REQUESTS.REQUEST_ID).
<b>PROGRAM_APPLICATION_ID</b>	Application ID of program that last updated this row (foreign key to FND_APPLICATION.APPLICATION_ID).
<b>PROGRAM_ID</b>	Program ID of program that last updated this row (foreign key to FND_CONCURRENT_PROGRAM.CONCURRENT_PROGRAM_ID).
<b>PROGRAM_UPDATE_DATE</b>	Date when a program last updated this row.

Since every table containing these additional Who columns has several foreign keys to the tables FND\_CONCURRENT\_REQUESTS, FND\_APPLICATION, and FND\_CONCURRENT\_PROGRAM, we do not include the foreign key columns REQUEST\_ID, PROGRAM\_APPLICATION\_ID, or PROGRAM\_ID in a table's list of foreign keys.

## Indexes

If an OPM table uses an Oracle8i index, we list the database columns that comprise that index, in sequential order.

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**Note:** The indexes we document in this manual correspond to unique keys we specified during product development and testing. In some cases, we may add additional indexes during the porting process to fine-tune performance on specific platforms; therefore, there may be minor differences between the indexes documented in this book and the indexes for production versions of OPM.

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## Sequences

OPM uses Oracle8i sequence generators to generate unique integers. If any table column gets its value from an Oracle8i sequence generator, we list the name of the corresponding sequence generator and the name of the column that stores the unique integer.

## Database Triggers

If a table has one or more active database triggers, we provide a brief explanation of each database trigger and when it fires.

## View Derivation

For each OPM view you may need to reference, we include important elements from the SQL statement that defines or creates a view. By studying this view definition, you can understand exactly how a view derives its contents.

## AR\_LOCATION\_VALUES

This table defines each jurisdiction that Oracle Receivables uses to validate segments of a customer address and compile sales tax rates.

Locations exist within other parent locations. Oracle Receivables uses the PARENT\_SEGMENT\_ID to enforce this business rule. The first or senior segment of the Sales Tax Location Flexfield is exempt from this ownership rule.

The Sales Tax Location Flexfield defines the structure that will be used to relate one segment of an address to another.

Rows are created in this table automatically using either the Oracle Receivables Sales Tax Interface Program or upon the creation of a new customer address. Rows can also be created manually using the Tax Locations and Rates window.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AR_LOCATION_VALUES	LOCATION_SEGMENT_ID	PARENT_SEGMENT_ID
GL_CODE_COMBINATIONS	CODE_COMBINATION_ID	TAX_ACCOUNT_CCID

### Column Descriptions

Name	Null	Type	Description
LOCATION_SEGMENT_ID	NOT NULL	NUMBER	Internal Location Segment ID
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LOCATION_STRUCTURE_ID	NOT NULL	NUMBER(15)	Identifies the Sales Tax Location Structure for which this hierarchy of values is used
LOCATION_SEGMENT_QUALIFIER	(PK) NOT NULL	VARCHAR2(30)	Identifies which authority this location is for. Values may be sourced from RA_ADDRESSES
LOCATION_SEGMENT_VALUE	(PK) NOT NULL	VARCHAR2(60)	Upper case of the value in AR_LOCATION_VALUES.LOCATION_SEGMENT_USER_VALUE
LOCATION_SEGMENT_DESCRIPTION	NULL	VARCHAR2(60)	Long Name for this location, used for reporting purposes only
PARENT_SEGMENT_ID	(PK) NULL	NUMBER	Identifies which location 'owns' this location (for example, which State owns this County)
REQUEST_ID	NULL	NUMBER(15)	Enhanced Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Enhanced Who column
PROGRAM_ID	NULL	NUMBER(15)	Enhanced Who column
PROGRAM_UPDATE_DATE	NULL	DATE	Enhanced Who column
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE2	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE3	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE4	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE5	NULL	VARCHAR2(150)	Descriptive Flexfield column

## Table and View Definitions

ATTRIBUTE6	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE7	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE8	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE9	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE10	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE11	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE12	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE13	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE14	NULL	VARCHAR2(150)	Descriptive Flexfield column
ATTRIBUTE15	NULL	VARCHAR2(150)	Descriptive Flexfield column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LOCATION_SEGMENT_USER_VALUE	NOT NULL	VARCHAR2(60)	Short name for this location (State or County or City .. ), sourced from one of the columns in RA_ADDRESSES or AR_TAX_INTERFACE
TAX_ACCOUNT_CCID	NULL	NUMBER(15)	Tax account code combination identifier
ORG_ID	NULL	NUMBER(15)	Operating Unit Identifier
INTERIM_TAX_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the deferred tax account.
ADJ_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the Revenue/Net Expense account for adjustments.
EDISC_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the expense account for earned discounts.
UNEDISC_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the expense account for unearned discounts.
FINCHRG_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the revenue account for finance charges.
ADJ_NON_REC_TAX_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the nonrecoverable tax account for adjustments.
EDISC_NON_REC_TAX_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the nonrecoverable tax account for earned discounts.
UNEDISC_NON_REC_TAX_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the nonrecoverable tax account for unearned discounts.
FINCHRG_NON_REC_TAX_CCID	NULL	NUMBER(15)	Code combination ID of the accounting flexfield for the nonrecoverable account for finance charges.

### Indexes

Index Name	Index Type	Sequence	Column Name
AR_LOCATION_VALUES_N5	NOT UNIQUE	1	LOCATION_SEGMENT_QUALIFIER
		2	LOCATION_SEGMENT_USER_VALUE
		3	PARENT_SEGMENT_ID
AR_LOCATION_VALUES_N6	NOT UNIQUE	1	LOCATION_SEGMENT_QUALIFIER
		2	LOCATION_SEGMENT_USER_VALUE
		3	LOCATION_SEGMENT_ID
AR_LOCATION_VALUES_U1	UNIQUE	2	LOCATION_SEGMENT_QUALIFIER
		4	LOCATION_SEGMENT_VALUE
		5	PARENT_SEGMENT_ID
		15	LOCATION_STRUCTURE_ID

AR_LOCATION_VALUES_U2	UNIQUE	1	LOCATION_SEGMENT_QUALIFIER
		2	LOCATION_SEGMENT_VALUE
		3	LOCATION_SEGMENT_ID
AR_LOCATION_VALUES_U3	UNIQUE	1	PARENT_SEGMENT_ID
		2	LOCATION_SEGMENT_ID
AR_LOCATION_VALUES_U4	UNIQUE	1	LOCATION_SEGMENT_ID

*Sequences*

Sequence	Derived Column
AR_LOCATION_VALUES_S	LOCATION_SEGMENT_ID

*Database Triggers*

Trigger Name : AR\_LOCATION\_VALUES\_BRIU  
Trigger Time : BEFORE  
Trigger Level : ROW  
Trigger Event : INSERT, UPDATE

# GR\_ADDITIVE\_CALCS

Contains Hazard Class Code and Risk Phrase Code. The Hazard Class Code is optional and will display on a form as Hazard to Assign. The Risk Phrase Code is optional and will display or print on a form as Apply Risk Phrase. NOTE: Hazard Class Code and Risk Phrase Code do not have a maintenance form for this table.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	HAZARD_CLASSIFICATION_CODE

Column Descriptions

Name	Null	Type	Description
HAZARD_CLASSIFICATION_CODE	NULL	VARCHAR2(2)	The European Hazard Classification code.
CALCULATION_ID (PK)	NOT NULL	VARCHAR2(2)	The ID number associated with the calculation.
RATIO_COMPARISON	NOT NULL	NUMBER(8)	The Regulatory module adds all ingredients within the same Calculation ID, and if the total is greater than the ratio comparison, the total is then used to assign the hazard classification.
ADD_TO_CALCULATION_ID	NULL	VARCHAR2(2)	The Regulatory module sums the ingredient concentration for the Calculation ID, and if the sum is less than the Ratio Comparison, then the total is added to the calculation used by this ID to assign the hazard.
ASSIGN_SOURCE_RISKS_FLAG	NULL	VARCHAR2(1)	The Calculation routines to determine if Source Risk Phrases should be assigned with the classification.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ADDITIVE_CALCS_N1	NOT UNIQUE	1	HAZARD_CLASSIFICATION_CODE
GR_ADDITIVE_CALCS_PK	UNIQUE	5	CALCULATION_ID



## GR\_ADD\_MANDATORY\_RISKS

Contains European Hazard Classifications. Works in conjunction with the Additive table.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ADDITIVE_CALCS	CALCULATION_ID	CALCULATION_ID
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

### Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CALCULATION_ID (PK)	NOT NULL	VARCHAR2(2)	The ID number associated with the calculation.
CREATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ADD_MANDATORY_RISKS_N1	NOT UNIQUE	1	CALCULATION_ID
GR_ADD_MANDATORY_RISKS_N2	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_ADD_MANDATORY_RISKS_PK	UNIQUE	5	RISK_PHRASE_CODE
		10	CALCULATION_ID

# GR\_AUDIT

History of changes to any record.

Column Descriptions

Name	Null	Type	Description
AUDIT_VERSION_NUMBER (PK)	NOT NULL	VARCHAR2(10)	The Regulatory module assigns the current Audit Version Number when changes have been made to the document since the last version.
LABEL_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Regulatory module contains a record of all Label or Phrase changes by code.
AUDIT_SEQUENCE_NUMBER (PK)	NOT NULL	VARCHAR2(4)	The Regulatory module assigns the Audit Sequence Number.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_AUDIT_PK	UNIQUE	5	AUDIT_VERSION_NUMBER
		10	LABEL_PHRASE_CODE
		15	AUDIT_SEQUENCE_NUMBER

## GR\_CALCULATED

Contains the calculated values for attributes, such as heavy elements, lists, and physical properties.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
CALCULATED_NUMBER_HIGH	NOT NULL	NUMBER	The upper range of the calculated value.
CALCULATED_YES_NO_FLAG	NOT NULL	VARCHAR2(1)	Flag to determine calculation.
CALCULATE_OTHER_FLAG	NOT NULL	VARCHAR2(1)	A different calculation that is neither upper or lower.
CALCULATED_NUMBER_LOW	NOT NULL	NUMBER	The lower range of the calculated value.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_CALCULATED_PK	UNIQUE	1	ITEM_CODE

# GR\_CALCULATION\_NAMES

Contains the Calculation Names that control the calculation routines for Risk Phrases.

Column Descriptions

Name	Null	Type	Description
CALCULATION_NAME_ID (PK)	NOT NULL	VARCHAR2(10)	The Calculation Name ID associated with the health hazard and its Risk Phrases.
CALCULATION_NAME_DESC	NOT NULL	VARCHAR2(240)	The Calculation Name Description associated with the health hazard and its Risk Phrases.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_CALCULATION_NAMES_PK	UNIQUE	5	CALCULATION_NAME_ID

## GR\_CONC\_RANGES

One record for each organization code.

### Column Descriptions

Name	Null	Type	Description
CONCENTRATION_SEQNO (PK)	NOT NULL	NUMBER(8)	The Concentration Sequence Number for the order that the concentration is displayed or printed on the document.
CONCENTRATION_LOW	NOT NULL	NUMBER(15,6)	The range of the concentration for which information should be printed on the document.
CONCENTRATION_HIGH	NOT NULL	NUMBER(15,6)	The highest value of the Concentration Range for which information should be displayed or printed on the document.
CONCENTRATION_DISPLAY	NULL	VARCHAR2(16)	The information displayed or printed on the document based on the Concentration To and From Range values.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_CONC_RANGES_PK	UNIQUE	5	CONCENTRATION_SEQNO

# GR\_COUNTRY\_PROFILES

Contains Country Codes and Descriptions that can be linked to a customer so that documents display or print in the appropriate country's format.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_TERRITORIES	TERRITORY_CODE	TERRITORY_CODE
GR_DISCLOSURES	DISCLOSURE_CODE	DISCLOSURE_CODE
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_LABELS_B	LABEL_CODE	LABEL_CODE_TOXIC
GR_LABELS_B	LABEL_CODE	LABEL_CODE_EXPOSURE

Column Descriptions

Name	Null	Type	Description
TERRITORY_CODE (PK)	NOT NULL	VARCHAR2(2)	The code for the territory.
LABEL_CODE_EXPOSURE	NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item.
LABEL_CODE_TOXIC	NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item.
DISCLOSURE_CODE	NOT NULL	VARCHAR2(10)	Disclosure Codes to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
LANGUAGE	NOT NULL	VARCHAR2(4)	Language code.
DOCUMENT_CODE	NOT NULL	VARCHAR2(10)	The Document Code for the document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_COUNTRY_PROFILES_PK	UNIQUE	5	TERRITORY_CODE

## GR\_COVER\_LETTERS\_B

The base table for the cover letter for the recipient and the default cover letter for the Organization table.

### Column Descriptions

Name	Null	Type	Description
COVER_LETTER_ID (PK)	NOT NULL	VARCHAR2(10)	Cover letter code.
ORGN_CODE	NULL	VARCHAR2(4)	Organization code.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_COVER_LETTERS_B_PK	NOT UNIQUE	1	COVER_LETTER_ID

# GR\_COVER\_LETTERS\_TL

The translation table for the cover letter for the recipient and the default cover letter for the Organization table.

Column Descriptions

Name	Null	Type	Description
COVER_LETTER_ID (PK)	NOT NULL	VARCHAR2(20)	Cover letter code.
DESCRIPTION	NOT NULL	VARCHAR2(240)	Cover letter code description.
TEXT	NULL	VARCHAR2(2000)	The text of the cover letter.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_COVER_LETTERS_TL_PK	NOT UNIQUE	1	COVER_LETTER_ID
		2	LANGUAGE



## GR\_DISCLOSURES

Contains Disclosure information and Minimum, Text, Label, Exposure, and Toxicity Reporting Levels for an ingredient.

### Column Descriptions

Name	Null	Type	Description
DISCLOSURE_CODE (PK)	NOT NULL	VARCHAR2(10)	Disclosure Codes are used to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
DISCLOSURE_DESCRIPTION	NOT NULL	VARCHAR2(240)	Disclosure Description for the reporting levels.
MINIMUM_REPORTING_LEVEL	NOT NULL	NUMBER(15,6)	The Disclosure Percentage above which the ingredient must be reported on a document.
TEXT_REPORTING_LEVEL	NOT NULL	NUMBER(15,6)	The percentage above which the standard text associated with the ingredient must be displayed or printed on a document.
LABEL_REPORTING_LEVEL	NOT NULL	NUMBER(15,6)	The percentage above which the label associated with the ingredient must be displayed or printed on a document.
EXPOSURE_REPORTING_LEVEL	NOT NULL	NUMBER(15,6)	The percentage above which the exposure information associated with the ingredient must be displayed or printed on a document.
TOXICITY_REPORTING_LEVEL	NOT NULL	NUMBER(15,6)	The percentage above which the toxicity information associated with the ingredient must be displayed or printed on a document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_DISCLOSURES_PK	UNIQUE	5	DISCLOSURE_CODE

## GR\_DISPATCH\_HISTORIES

Contains transaction information, such as who received what and when.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_DOCUMENT_PRINT	DOCUMENT_TEXT_ID	DOCUMENT_TEXT_ID
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
GR_RECIPIENT_INFO	RECIPIENT_CODE	RECIPIENT_CODE

### Column Descriptions

Name	Null	Type	Description
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document Code for the document.
DOCUMENT_TEXT_ID (PK)	NOT NULL	NUMBER(15)	The Text ID for the document that is being printed.
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
RECIPIENT_CODE (PK)	NOT NULL	VARCHAR2(32)	The recipient code.
DATE_MSDS_SENT (PK)	NOT NULL	DATE	The date that the document was sent to the recipient (customer).
DISPATCH_METHOD_CODE	NULL	NUMBER(2)	The method used to send the document such as fax, mail, etc..
COVER_LETTER_TEXT_ID	NULL	VARCHAR2(10)	The Text ID for the cover letter that was sent with the document.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield.

ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield.
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_DISPATCH_HISTORIES_N1	NOT UNIQUE	1	DOCUMENT_CODE
GR_DISPATCH_HISTORIES_N2	NOT UNIQUE	1	DOCUMENT_TEXT_ID
GR_DISPATCH_HISTORIES_N3	NOT UNIQUE	1	ITEM_CODE
GR_DISPATCH_HISTORIES_N4	NOT UNIQUE	1	RECIPIENT_CODE
GR_DISPATCH_HISTORIES_PK	UNIQUE	5	DOCUMENT_CODE
		10	DOCUMENT_TEXT_ID
		15	ITEM_CODE
		20	RECIPIENT_CODE
		25	DATE_MSDS_SENT

GR\_DOCUMENT\_CODES

Contains the date format and determines whether detailed ingredient, toxic, and exposure information displays or prints on the document. Also allows customization of the appearance of the detailed elements.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_USER	USER_ID	USER_ID

Column Descriptions

Name	Null	Type	Description
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document Code for the document.
USER_ID	NOT NULL	NUMBER(15)	Application user identifier.
DOCUMENT_VERSION	NOT NULL	NUMBER	The Document Version for the document.
DOCUMENT_DESCRIPTION	NOT NULL	VARCHAR2(240)	The actual name of the document.
DOCUMENT_HISTORY_FLAG	NULL	VARCHAR2(1)	Y or N to indicate whether History information will be held for the document.
ALLOW_USER_OVERRIDE	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the document structure can be copied and changed.
DOCUMENT_DATE_FORMAT	NOT NULL	VARCHAR2(15)	The date format that will display or print on the document. Examples of valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
PRINT_INGREDIENTS_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the Ingredient Explosion will be displayed or printed on the document.
INGREDIENT_HEADER_LABEL	NULL	VARCHAR2(30)	If the Print Ingredients Flag is set to Y, the Ingredient Header Label will be available. The Ingredient Header Label identifies the heading label where the ingredient information will display or print.
INGREDIENT_CONC_IND	NULL	VARCHAR2(1)	A valid Ingredient Concentration Indicator to determine how the Ingredient Concentrations will be displayed or printed on the document. Valid values are: E - Exact percentage, A - Approximation to nearest 2.5%, R - Use the userdefined ranges.
CAS_NUMBER_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the CAS Number Sequence will be available. Type 0 to avoid displaying or printing the CAS Number. Type any other number to determine the numerical sequence number that will be used for displaying or printing the Ingredient elements.
MSDS_NAME_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the MSDS Name Sequence will be available. Type 0 to avoid displaying or printing the Ingredient elements. Type any other number to determine the numerical sequence number that will be used for displaying or printing the Ingredient elements.
CONCENTRATION_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the Concentration Sequence will be available. Type 0 to avoid displaying or printing the Concentration. Type any other number to determine the

HMIS_CODE_SEQ	NULL	NUMBER(2)	numerical sequence number that will be used for displaying or printing the Concentration.
NFPA_CODE_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the HMIS Code Sequence will be available. Type 0 to avoid displaying or printing the Ingredient HMIS Codes. Type any other number to determine the sequence number that will be used for displaying or printing the Ingredient HMIS Codes.
USER_CODE_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the NFPA Code Sequence will be available. Type 0 to avoid displaying or printing the NFPA Codes. Type any other number to determine the sequence number that will be used for displaying or printing the NFPA Codes.
EEC_NUMBER_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the User Code Sequence will be available. Type 0 to avoid displaying or printing the User-defined HMIS Codes. Type any other number to determine the sequence number that will be used for displaying or printing the User-defined HMIS Codes.
HAZARD_SYMBOL_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the EEC Number Sequence will be available. Type 0 to avoid displaying or printing the EEC Number. Type any other number to determine the sequence number that will be used for displaying or printing the EEC Number.
RISK_PHRASE_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the Hazard Symbol Sequence will be available. Type 0 to avoid displaying or printing the European Hazard Symbol. Type any other number to determine the sequence number that will be used for displaying or printing the European Hazard Symbol.
SAFETY_PHRASE_SEQ	NULL	NUMBER(2)	If the Print Ingredients Flag is set to Y, the Risk Phrase Sequence will be available. Type 0 to avoid displaying or printing the European Risk Phrases. Type any other number to determine the sequence number that will be used for displaying or printing the European Risk Phrases.
PRINT_TOXIC_INFO_FLAG	NOT NULL	VARCHAR2(1)	If the Print Ingredients Flag is set to Y, the Safety Phrase Sequence will be available. Type 0 to avoid displaying or printing the European Safety Phrases. Type any other number to determine the sequence number that will be used for displaying or printing the European Safety Phrases.
TOXIC_HEADER_LABEL	NULL	VARCHAR2(30)	Y or N to indicate whether Toxicity information will be displayed or printed on the document.
TOXIC_CAS_NUMBER_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Header Label will be available. The Toxic Header Label identifies the heading label where the Toxic information will display or print.
TOXIC_MSDS_NAME_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic CAS Number Sequence will be available. Type 0 to avoid displaying or printing the CAS Number. Type any other number to determine the sequence number that will be used for displaying or printing the CAS Number.

			the Toxic MSDS Name Sequence will be available. Type 0 to avoid displaying or printing the MSDS Name. Type any other number to determine the sequence number that will be used for displaying or printing the MSDS Name.
TOXIC_ROUTE_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Route Sequence will be available. Type 0 to avoid displaying or printing the Toxic Route. Type any other number to determine the sequence number that will be used for displaying or printing the Toxic Route.
TOXIC_SPECIES_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Species Sequence will be available. Type 0 to avoid displaying or printing the Toxic Species. Type any other number to determine the sequence number that will be used for displaying or printing the Toxic Species.
TOXIC_EXPOSURE_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Exposure Sequence will be available. Type 0 to avoid displaying or printing the Toxic Exposure. Type any other number to determine the sequence number that will be used for displaying or printing the Toxic Exposure.
TOXIC_DOSE_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Dose Sequence will be available. Type 0 to avoid displaying or printing the Toxic Dose. Type any other number to determine the sequence number that will be used for displaying or printing the Toxic Dose.
TOXIC_NOTE_SEQ	NULL	NUMBER(2)	If the Print Toxic Information Flag is set to Y, the Toxic Note Sequence will be available. Type 0 to avoid displaying or printing the Toxic Note. Type any other number to determine the sequence number that will be used for displaying or printing the Toxic Note.
PRINT_EXPOSURE_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether Exposure Limit information will be displayed or printed on the document.
EXPOSURE_HEADER_LABEL	NULL	VARCHAR2(30)	If the Print Exposure Flag is set to Y, the Exposure Header Label will be available. The Exposure Header Label identifies the heading label where the Exposure information will display or print.
EXPOSURE_CAS_NUMBER_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure CAS Number Sequence will be available. Type 0 to avoid displaying or printing the CAS Number. Type any other number to determine the numerical sequence number that will be used for displaying or printing the CAS Number.
EXPOSURE_MSDS_NAME_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure MSDS Name Sequence will be available. Type 0 to avoid displaying or printing the MSDS Name. Type any other number to determine the numerical sequence number that will be used for displaying or printing the MSDS Name.
EXPOSURE_AUTHORITY_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure Authority Sequence will be available. Type 0 to avoid displaying or printing the Exposure Limit Information. Type any other number to determine the numerical sequence number that will

			be used for displaying or printing the Exposure Limit Information.
EXPOSURE_TYPE_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure Type Sequence will be available. Type 0 to avoid displaying or printing the Exposure Type. Type any other number to determine the numerical sequence number that will be used for displaying or printing the Exposure Type.
EXPOSURE_DOSE_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure Dose Sequence will be available. Type 0 to avoid displaying or printing the Exposure Dose. Type any other number to determine the numerical sequence number that will be used for displaying or printing the Exposure Dose.
EXPOSURE_NOTE_SEQ	NULL	NUMBER(2)	If the Print Exposure Flag is set to Y, the Exposure Note Sequence will be available. Type 0 to avoid displaying or printing the Exposure Note. Type any other number to determine the numerical sequence number that will be used for displaying or printing the Exposure Note.
INCLUDE_QC_DATA_FLAG	NULL	VARCHAR2(1)	Y or N to indicate whether OPM Quality Control module data will be used.
PROP_65_CONC_IND	NULL	VARCHAR2(1)	Y or N to indicate whether the Proposition 65 Concentration warning requirements will be displayed or printed on the document.
SARA_312_CONC_IND	NULL	VARCHAR2(1)	Y or N to indicate whether the SARA 312 Concentration emergency cleanup requirements will be displayed or printed on the document.
PRINT_RTK_ON_DOCUMENT	NULL	VARCHAR2(1)	Y or N to indicate whether the RTK (Right-To-Know) information will be displayed or printed on the document.
RTK_HEADER	NULL	VARCHAR2(32)	If the Print RTK on Document Flag is set to Y, the RTK Header will be available. The RTK Header identifies the heading where the RTK information will display or print.
PRINT_ALL_STATE_INDICATOR	NULL	VARCHAR2(1)	Y or N to indicate whether to display or print documents for all required states.
APPROVAL_PROCESS_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the document is workflow controlled.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield.
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_CODES_N1	NOT UNIQUE	1	USER_ID
GR_DOCUMENT_CODES_PK	UNIQUE	5	DOCUMENT_CODE



## GR\_DOCUMENT\_DETAILS

Contains each phrase as it will display or print on the document.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_PRINT	DOCUMENT_TEXT_ID	DOCUMENT_TEXT_ID

### Column Descriptions

Name	Null	Type	Description
TEXT_LINE_NUMBER (PK)	NOT NULL	NUMBER(6)	The line number where the text will be displayed or printed.
DOCUMENT_TEXT_ID (PK)	NOT NULL	NUMBER(15)	The Text ID for the document that is being printed.
PRINT_FONT	NULL	VARCHAR2(3)	The font information for the line of text.
PRINT_SIZE	NULL	NUMBER(2)	The font size in which the document is to be printed.
TEXT_LINE	NULL	VARCHAR2(132)	The actual text that will be printed next to the label.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_DETAILS_PK	UNIQUE	5	TEXT_LINE_NUMBER
		10	DOCUMENT_TEXT_ID

# GR\_DOCUMENT\_HEADINGS

Contains the headings and subheadings linked to a document.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_MAIN_HEADINGS_B	MAIN_HEADING_CODE	MAIN_HEADING_CODE
GR_SUB_HEADINGS_B	SUB_HEADING_CODE	SUB_HEADING_CODE

Column Descriptions

Name	Null	Type	Description
DOCUMENT_HEADINGS_SEQNO	(PK)NOT NULL	NUMBER	Surrogate key for the item.
DOCUMENT_CODE	NOT NULL	VARCHAR2(10)	The Document Code for the document.
MAIN_HEADING_CODE	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
MAIN_DISPLAY_ORDER	NOT NULL	NUMBER(15)	Display Order value to arrange the Document Main Headings as required.
SUB_HEADING_CODE	NULL	VARCHAR2(10)	The Sub Heading Code for the sub heading text.
SUB_DISPLAY_ORDER	NULL	NUMBER(15)	Display Order value to arrange the Document Sub Headings as required.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_HEADINGS_N1	NOT UNIQUE	1	DOCUMENT_CODE
GR_DOCUMENT_HEADINGS_N2	NOT UNIQUE	1	MAIN_HEADING_CODE
GR_DOCUMENT_HEADINGS_N3	NOT UNIQUE	1	SUB_HEADING_CODE
GR_DOCUMENT_HEADINGS_PK	UNIQUE	5	DOCUMENT_HEADINGS_SEQNO

Sequences

Sequence	Derived Column
GR_DOCUMENT_HEADINGS_S	DOCUMENT_HEADINGS_SEQNO

## GR\_DOCUMENT\_PRINT

Contains print information for the document by Item Code, Document Code, and Date.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
GR_DISCLOSURES	DISCLOSURE_CODE	DISCLOSURE_CODE_COUNTRY
GR_DISCLOSURES	DISCLOSURE_CODE	DISCLOSURE_CODE_RECIPIENT
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
DOCUMENT_TEXT_ID (PK)	NOT NULL	NUMBER(15)	The Text ID for the document that is being printed.
DOCUMENT_CODE	NOT NULL	VARCHAR2(10)	The Document Code for the document.
LANGUAGE	NOT NULL	VARCHAR2(4)	The two character code which is assigned for each language in which the data sheets will be created.
ITEM_CODE	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
DISCLOSURE_CODE_COUNTRY	NOT NULL	VARCHAR2(10)	Disclosure Codes are used to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
DISCLOSURE_CODE_RECIPIENT	NOT NULL	VARCHAR2(10)	Disclosure Codes are used to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
MSDS_DATE	NULL	DATE	The date format in which dates print on the document. Valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
DOC_FROM_DATE	NOT NULL	DATE	The date that the document is valid from. Valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
DOC_TO_DATE	NULL	DATE	The date that the document is valid from. Valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield

## Table and View Definitions

ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_PRINT_N1	NOT UNIQUE	1	DOCUMENT_CODE
GR_DOCUMENT_PRINT_N2	NOT UNIQUE	1	LANGUAGE
GR_DOCUMENT_PRINT_N3	NOT UNIQUE	1	ITEM_CODE
GR_DOCUMENT_PRINT_N4	NOT UNIQUE	1	DISCLOSURE_CODE_COUNTRY
GR_DOCUMENT_PRINT_N5	NOT UNIQUE	1	DISCLOSURE_CODE_RECIPIENT
GR_DOCUMENT_PRINT_PK	UNIQUE	5	DOCUMENT_TEXT_ID

## GR\_DOCUMENT\_RTK

Contains the Right-to-Know (RTK) detail information that will display or print on the document.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AR_LOCATION_VALUES	LOCATION_SEGMENT_QUALIFIER	LOCATION_SEGMENT_QUALIFIER
LOCATION_SEGMENT_VALUE ID	LOCATION_SEGMENT_VALUE	PARENT_SEGMENT_IDPARENT_SEGMENT_
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE

### Column Descriptions

Name	Null	Type	Description
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document Code for the document.
LOCATION_SEGMENT_QUALIFIER (PK)	NOT NULL	VARCHAR2(30)	Identifies which authority this location is for. Values may be sourced from RA_ADDRESSES.
LOCATION_SEGMENT_VALUE (PK)	NOT NULL	VARCHAR2(60)	Upper case of the value in AR_LOCATION_VALUES.LOCATION_SEGMENT_USER_VALUE.
PARENT_SEGMENT_ID (PK)	NOT NULL	NUMBER	Identifies which location 'owns' this location (for example, which State owns this County).
CREATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_RTK_N1	NOT UNIQUE	1	DOCUMENT_CODE
GR_DOCUMENT_RTK_N2	NOT UNIQUE	1	LOCATION_SEGMENT_QUALIFIER
		2	LOCATION_SEGMENT_VALUE
		3	PARENT_SEGMENT_ID
GR_DOCUMENT_RTK_PK	UNIQUE	5	DOCUMENT_CODE
		10	LOCATION_SEGMENT_QUALIFIER
		15	LOCATION_SEGMENT_VALUE
		20	PARENT_SEGMENT_ID

## GR\_DOCUMENT\_STRUCTURES

Contains the detailed breakdown of how the document will display or print. A row of date format and detailed ingredient, toxic, and exposure information information must be defined in the Document Code entity before structure details are built.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_HEADINGS	DOCUMENT_HEADINGS_SEQNO	DOCUMENT_HEADINGS_SEQNO
GR_LABELS_B	LABEL_CODE	LABEL_CODE
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_PHRASE_GROUP_CODES	PHRASE_GROUP_CODE	PHRASE_GROUP_CODE

### Column Descriptions

Name	Null	Type	Description
DOCUMENT_STRUCTURES_SEQNO	(PK)NOT NULL	NUMBER	The Regulatory module assigns an internally-controlled sequence number for labels and phrases within the document structure.
DOCUMENT_HEADINGS_SEQNO	(PK)NOT NULL	NUMBER	Surrogate key for the item.
LABEL_CODE	NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
PHRASE_GROUP_CODE	NULL	VARCHAR2(10)	The Phrase Group Code.
PHRASE_CODE	NULL	VARCHAR2(10)	The Code assigned to the Phrase.
PRINT_FONT	NULL	VARCHAR2(3)	The Print Font that will be used in the document.
DATA_POSITION_INDICATOR	NULL	VARCHAR2(1)	The Data Position Indicator defaults from the same attribute in the Label entity and can be overridden by typing a valid value. Valid values are: I - Print the data immediately after the label. C - Print the data starting in the center of the line. R - Print the data right justified. N - Print the data, left justified on the next line and retain the print font for the label.
DISPLAY_ORDER	NOT NULL	NUMBER(15)	Display Order value is used to arrange the sections of the Document as required.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_DOCUMENT_STRUCTURES_N1	NOT UNIQUE	1	DOCUMENT_HEADINGS_SEQNO
GR_DOCUMENT_STRUCTURES_N2	NOT UNIQUE	1	LABEL_CODE
GR_DOCUMENT_STRUCTURES_N3	NOT UNIQUE	1	PHRASE_GROUP_CODE
GR_DOCUMENT_STRUCTURES_N4	NOT UNIQUE	1	PHRASE_CODE
GR_DOCUMENT_STRUCTURES_PK	UNIQUE	5	DOCUMENT_STRUCTURES_SEQNO
		10	DOCUMENT_HEADINGS_SEQNO

*Sequences*

Sequence	Derived Column
GR_DOCUMENT_STRUCTURES_S	DOCUMENT_STRUCTURES_SEQNO

# GR\_EIN\_ASL\_CONCS

Contains one record of concentration information for each EINECS Number (European Inventory of Existing Chemical Substances number).

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ADDITIVE_CALCS	CALCULATION_ID	CALCULATION_ID

Column Descriptions

Name	Null	Type	Description
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER(8)	The Regulatory module assigns the EINECS Sequence Number (European Inventory of Existing Chemical Substances number) that determines the order in which the concentration is displayed or printed on the document.
EUROPEAN_INDEX_NUMBER	NOT NULL	VARCHAR2(70)	The Regulatory module assigns the European Index Number for the material or substance.
CONCENTRATION_HIGH	NOT NULL	NUMBER(15,6)	The highest value of the Concentration Range for which information should be displayed or printed on the document.
CONCENTRATION_LOW	NOT NULL	NUMBER(15,6)	The lowest value of the Concentration Range for which information should be displayed or printed on the document.
CONSOLIDATED_RISK_PHRASE	NULL	VARCHAR2(240)	The Risk Phrases that will be displayed or printed on the document for the item.
CALCULATION_ID	NOT NULL	VARCHAR2(2)	The ID number associated with the calculation.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_EIN_ASL_CONCS_N1	NOT UNIQUE	1	CALCULATION_ID
GR_EIN_ASL_CONCS_PK	UNIQUE	5	SEQUENCE_NUMBER

Sequences

Sequence	Derived Column
GR_EIN_ASL_CONCS_S	SEQUENCE_NUMBER



## GR\_EIN\_ASL\_RISKS

Contains the EINECS Number (European Inventory of Existing Chemical Substances number) phrases associated with the ASL (Approved Supply List) concentrations.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EIN_ASL_CONCS	SEQUENCE_NUMBER	SEQUENCE_NUMBER
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

### Column Descriptions

Name	Null	Type	Description
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER(8)	The Regulatory module assigns the EINECS Sequence Number (European Inventory of Existing Chemical Substances number) that determines the order in which the concentration is displayed or printed on the document.
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_EIN_ASL_RISKS_N1	NOT UNIQUE	1	SEQUENCE_NUMBER
GR_EIN_ASL_RISKS_N2	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_EIN_ASL_RISKS_PK	UNIQUE	5	SEQUENCE_NUMBER
		10	RISK_PHRASE_CODE

### Sequences

Sequence	Derived Column
GR_EIN_ASL_RISKS_S	SEQUENCE_NUMBER

## GR\_EMEA

Contains Europe and Middle East-specific regulatory information about the item.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
EUROPEAN_INDEX_NUMBER	NOT NULL	VARCHAR2(12)	The specific European Index Numbers for the item(s).
EEC_NUMBER	NULL	VARCHAR2(12)	The version of the European Community Directive, such as 93/21/EEC.
CONSOLIDATED_RISK_PHRASE	NULL	VARCHAR2(240)	The Risk Phrases that will be displayed or printed on the document for the item.
CONSOLIDATED_SAFETY_PHRASE	NULL	VARCHAR2(240)	The Safety Phrases that will be displayed or printed on the document for the item.
APPROVED_SUPPLY_LIST_CONC	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the ASL assigned concentration limits are available for the item will be displayed or printed on the document.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_EMEA_PK	UNIQUE	5	ITEM_CODE

GR\_EUROHAZARDS\_B

Contains European Hazard Classification description information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_HAZARD_GROUPS	HAZARD_GROUP_CODE	HAZARD_GROUP_CODE

Column Descriptions

Name	Null	Type	Description
HAZARD_CLASSIFICATION_CODE	(PK)NOT NULL	VARCHAR2(2)	The European Hazard Classification code.
HAZARD_GROUP_CODE	NOT NULL	VARCHAR2(20)	The hazard group code.
CALCULATION_HIERARCHY	NOT NULL	NUMBER(8)	The European Hazard Calculation Hierarchy Codes to determine which Hazard Classification Codes take precedence over others. For example, the T+, Very Toxic, classification takes precedence over the T, Toxic, classification.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_EUROHAZARDS_B_N1	NOT UNIQUE	1	HAZARD_GROUP_CODE
GR_EUROHAZARDS_B_PK	UNIQUE	5	HAZARD_CLASSIFICATION_CODE

## GR\_EUROHAZARDS\_TL

This entity stores the hazard description information in multiple languages.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	HAZARD_CLASSIFICATION_CODE

### Column Descriptions

Name	Null	Type	Description
HAZARD_CLASSIFICATION_CODE	(PK)NOT NULL	VARCHAR2(2)	The Hazard Classification Code.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	The two character code which is assigned for each language in which the data sheets will be created.
HAZARD_DESCRIPTION	NOT NULL	VARCHAR2(240)	The description for the Hazard Classification Code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER	Standard Who column.
CREATION_DATE	NOT NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column.
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column.

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_EUROHAZARDS_TL_N1	NOT UNIQUE	1	HAZARD_CLASSIFICATION_CODE
GR_EUROHAZARDS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_EUROHAZARDS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_EUROHAZARDS_TL_PK	UNIQUE	5	HAZARD_CLASSIFICATION_CODE
		10	LANGUAGE

## GR\_EURO\_DEFAULT\_CONCS

Contains European Default Hazard Classification information.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ADDITIVE_CALCS	CALCULATION_ID	CALCULATION_ID
GR_CALCULATION_NAMES	CALCULATION_NAME_ID	CALCULATION_NAME_ID
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	HAZARD_CLASSIFICATION_CODE
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	APPLY_HAZARD_CLASSN

### Column Descriptions

Name	Null	Type	Description
CONCENTRATION_SEQNO (PK)	NOT NULL	NUMBER(8)	Surrogate key for the item.
CALCULATION_NAME_ID	NULL	VARCHAR2(10)	The Calculation Name ID associated with the health hazard and its Risk Phrases.
CALCULATION_ID	NULL	VARCHAR2(2)	The ID number associated with the calculation.
HAZARD_CLASSIFICATION_CODE	NULL	VARCHAR2(2)	The European Hazard Classification code.
APPLY_HAZARD_CLASSN	NULL	VARCHAR2(2)	Apply hazard classification flag. Valid values are Y or N.
CONCENTRATION_HIGH	NOT NULL	NUMBER(15,6)	The highest value of the Concentration Range for which information should be displayed or printed on the document.
CONCENTRATION_LOW	NOT NULL	NUMBER(15,6)	The lowest value of the Concentration Range for which information should be displayed or printed on the document.
GAS_OR_NOT_GAS_FLAG	NOT NULL	VARCHAR2(1)	Y to indicate that the Concentration is a Gas or N to indicate that it is a liquid or solid.
ASSIGN_SOURCE_RISKS_FLAG	NOT NULL	VARCHAR2(1)	Y or N for the Calculation routines to determine if Source Risk Phrases should be assigned with the classification.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_EURO_DEFAULT_CONCS_N1	NOT UNIQUE	1	CALCULATION_NAME_ID
GR_EURO_DEFAULT_CONCS_N2	NOT UNIQUE	1	CALCULATION_ID
GR_EURO_DEFAULT_CONCS_N3	NOT UNIQUE	1	HAZARD_CLASSIFICATION_CODE
GR_EURO_DEFAULT_CONCS_N4	NOT UNIQUE	1	APPLY_HAZARD_CLASSN
GR_EURO_DEFAULT_CONCS_PK	UNIQUE	5	CONCENTRATION_SEQNO

### Sequences

Sequence	Derived Column
GR_EURO_DEFAULT_CONCS_S	CONCENTRATION_SEQNO



# GR\_EURO\_MANDATORY\_RISKS

Contains the Risk Phrase codes that must be assigned for a hazard when classifying that hazard according to the European directives.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EURO_DEFAULT_CONCS	CONCENTRATION_SEQNO	CONCENTRATION_SEQNO
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CONCENTRATION_SEQNO (PK)	NOT NULL	NUMBER(8)	Surrogate key for the item.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NOT NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_EURO_MANDATORY_RISKS_N1	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_EURO_MANDATORY_RISKS_N2	NOT UNIQUE	1	CONCENTRATION_SEQNO
GR_EURO_MANDATORY_RISKS_PK	UNIQUE	5	RISK_PHRASE_CODE
		10	CONCENTRATION_SEQNO



# GR\_EXPOSURE\_AUTHS

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EXPOSURE_AUTHS	GR_EXPOSURE_AUTHS_ID	GE_GR_EXPOSURE_AUTHS_ID

Column Descriptions

Name	Null	Type	Description
GR_EXPOSURE_AUTHS_ID	(PK) NOT NULL	NUMBER	
GE_GR_EXPOSURE_AUTHS_ID	NOT NULL	NUMBER	

# GR\_EXPOSURE\_AUTHS\_B

Contains the Exposure Authority Code.

Column Descriptions

Name	Null	Type	Description
EXPOSURE_AUTHORITY_CODE	(PK)NOT NULL	VARCHAR2(10)	The exposure authority code.
CREATION_DATE	NOT NULL	DATE	Standard Who column.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_EXPOSURE_AUTHS_B_PK	UNIQUE	5	EXPOSURE_AUTHORITY_CODE

## GR\_EXPOSURE\_AUTHS\_TL

Contains the Exposure Authority Description in multiple languages.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_EXPOSURE_AUTHS_B	EXPOSURE_AUTHORITY_CODE	EXPOSURE_AUTHORITY_CODE

### Column Descriptions

Name	Null	Type	Description
EXPOSURE_AUTHORITY_CODE	(PK)NOT NULL	VARCHAR2(10)	The exposure authority code.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language Code.
EXPOSURE_AUTHORITY_DESC	NOT NULL	VARCHAR2(240)	The Exposure Authority Description for the item in the required languages.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_EXPOSURE_AUTHS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_EXPOSURE_AUTHS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_EXPOSURE_AUTHS_TL_PK	UNIQUE	5	EXPOSURE_AUTHORITY_CODE
		10	LANGUAGE

**GR\_EXPOSURE\_AUTH\_T**

## GR\_EXPOSURE\_TYPES\_B

Contains the Exposure Type Code.

### Column Descriptions

Name	Null	Type	Description
EXPOSURE_TYPE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Exposure Type Code.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who columns

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_EXPOSURE_TYPES_B_PK	UNIQUE	5	EXPOSURE_TYPE_CODE

# GR\_EXPOSURE\_TYPES\_TL

Contains the Exposure Type Description in multiple languages.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_EXPOSURE_TYPES_B	EXPOSURE_TYPE_CODE	EXPOSURE_TYPE_CODE

Column Descriptions

Name	Null	Type	Description
EXPOSURE_TYPE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Exposure Type Code.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
EXPOSURE_TYPE_DESC	NOT NULL	VARCHAR2(240)	The Exposure Type Description for the item in the required languages.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_EXPOSURE_TYPES_TL_N1	NOT UNIQUE	1	EXPOSURE_TYPE_CODE
GR_EXPOSURE_TYPES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_EXPOSURE_TYPES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_EXPOSURE_TYPES_TL_PK	UNIQUE	5	EXPOSURE_TYPE_CODE
		10	LANGUAGE

## GR\_GENERIC\_ITEMS\_B

Stores the generic MSDS that has been assigned for an item.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
IC_ITEM_MST	ITEM_NO	ITEM_NO

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
ITEM_NO (PK)	NOT NULL	VARCHAR2(32)	Name of the item.
DEFAULT_DOCUMENT_NAME_FLAG	NOT NULL	VARCHAR2(1)	Y to indicate that the MSDS names come from the Master Item Code or N to indicate that they come from this Shipping Item.
DOCUMENT_REBUILD_INDICATOR	NOT NULL	VARCHAR2(1)	Y or N flag to indicate whether the document will be rebuilt.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

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ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_GENERIC_ITEMS_B_N1	NOT UNIQUE	1	ITEM_CODE
GR_GENERIC_ITEMS_B_N2	NOT UNIQUE	1	ITEM_NO
GR_GENERIC_ITEMS_B_PK	UNIQUE	5	ITEM_CODE
		10	ITEM_NO



## GR\_GENERIC\_ML\_NAME\_TL

Contains the Generic Names for the item, by language.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_GENERIC_ITEMS_B	ITEM_NO	ITEM_NO ITEM_CODEITEM_CODE
GR_LABELS_B	LABEL_CODE	LABEL_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
ITEM_NO (PK)	NOT NULL	VARCHAR2(32)	Name of the item.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
LABEL_CODE	NULL	VARCHAR2(5)	The code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
NAME_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Generic Names for the item, by language.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_GENERIC_ML_NAME_TL_N1	NOT UNIQUE	1	ITEM_CODE 2ITEM_NO
GR_GENERIC_ML_NAME_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_GENERIC_ML_NAME_TL_N3	NOT UNIQUE	1	LABEL_CODE
GR_GENERIC_ML_NAME_TL_N4	NOT UNIQUE	1	SOURCE_LANG
GR_GENERIC_ML_NAME_TL_PK	UNIQUE	5	ITEM_CODE
		10	ITEM_NO
		15	LANGUAGE

## GR\_HAZARD\_GROUPS

Contains the Hazard Group Code and Description.

### Column Descriptions

Name	Null	Type	Description
HAZARD_GROUP_CODE (PK)	NOT NULL	VARCHAR2(20)	The hazard group code.
HAZARD_GROUP_DESCRIPTION	NOT NULL	VARCHAR2(240)	The hazard group code description.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_HAZARD_GROUPS_PK	UNIQUE	5	HAZARD_GROUP_CODE

# GR\_ITEM\_CLASSNS

Contains the Classification Code for the item.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EMEA	ITEM_CODE	ITEM_CODE
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	HAZARD_CLASSIFICATION_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
HAZARD_CLASSIFICATION_CODE (PK)	NOT NULL	VARCHAR2(2)	The Hazard Classification Code.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_CLASSNS_N1	NOT UNIQUE	1	HAZARD_CLASSIFICATION_CODE
GR_ITEM_CLASSNS_N2	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_CLASSNS_PK	UNIQUE	5	ITEM_CODE
		10	HAZARD_CLASSIFICATION_CODE

## GR\_ITEM\_CONCENTRATIONS

A temporary table used during the document build process.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
INGREDIENT_ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Ingredient Item Code for the substance used in or produced by the process.
LEVEL_HIERARCHY_CODE	NOT NULL	NUMBER(10)	Not used.
CONCENTRATION_PERCENTAGE	NOT NULL	NUMBER	The percentage concentration of the finished product.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_CONCENTRATIONS_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_CONCENTRATIONS_PK	UNIQUE	1	ITEM_CODE
		2	INGREDIENT_ITEM_CODE

# GR\_ITEM\_CONC\_DETAILS

A temporary table used during the document build process.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_CONCENTRATIONS	ITEM_CODE	ITEM_CODE
INGREDIENT_ITEM_CODE		INGREDIENT_ITEM_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
INGREDIENT_ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Ingredient Item Code for the substance used in or produced by the process.
SOURCE_ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The souce item code.
LEVEL_HIERARCHY_CODE	NOT NULL	NUMBER(10)	Not yet available
WORK_CONCENTRATION	NOT NULL	NUMBER	The concentration of the ingredient in the intermediate product.
UOM	NOT NULL	VARCHAR2(4)	Unit of measure.
QUANTITY	NOT NULL	NUMBER	Quantity

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_CONC_DETAILS_N1	NOT UNIQUE	5	ITEM_CODE
		10	INGREDIENT_ITEM_CODE
GR_ITEM_CONC_DETAILS_PK	UNIQUE	1	ITEM_CODE
		2	INGREDIENT_ITEM_CODE
		3	SOURCE_ITEM_CODE

## GR\_ITEM\_DISCLOSURES

Contains Disclosure information for the item.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DISCLOSURES	DISCLOSURE_CODE	DISCLOSURE_CODE
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
DISCLOSURE_CODE (PK)	NOT NULL	VARCHAR2(10)	Use Disclosure Codes to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
PRINT_ON_DOCUMENT_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether Item Disclosure information will be displayed or printed on the document.
MINIMUM_REPORTING_LEVEL	NULL	NUMBER(15,6)	The Disclosure Percentage above which the ingredient must be reported on a document.
TEXT_REPORTING_LEVEL	NULL	NUMBER(15,6)	The percentage above which the standard text associated with the ingredient must be displayed or printed on a document.
LABEL_REPORTING_LEVEL	NULL	NUMBER(15,6)	The percentage above which the label associated with the ingredient must be displayed or printed on a document.
EXPOSURE_REPORTING_LEVEL	NULL	NUMBER(15,6)	The percentage above which the exposure information associated with the ingredient must be displayed or printed on a document.
TOXICITY_REPORTING_LEVEL	NULL	NUMBER(15,6)	The percentage above which the toxicity information associated with the ingredient must be displayed or printed on a document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_DISCLOSURES_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_DISCLOSURES_N2	NOT UNIQUE	1	DISCLOSURE_CODE
GR_ITEM_DISCLOSURES_PK	UNIQUE	5	ITEM_CODE
		10	DISCLOSURE_CODE

# GR\_ITEM\_DOCUMENT\_DTLS

Contains the phrase definition for the item on the document.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_DOC_STATUSES CODE	ITEM_CODE	ITEM_CODE DOCUMENT_CODEDOCUMENT_
GR_MAIN_HEADINGS_B	MAIN_HEADING_CODE	MAIN_HEADING_CODE
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_PHRASE_GROUP_CODES	PHRASE_GROUP_CODE	PHRASE_GROUP_CODE
GR_SUB_HEADINGS_B	SUB_HEADING_CODE	SUB_HEADING_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document Code for the document.
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The code assigned to the phrase.
DISPLAY_ORDER (PK)	NOT NULL	NUMBER(15)	The sequence number to determine the numerical sequence that will be used for displaying or printing the Item Phrase on the document.
MAIN_HEADING_CODE	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
SUB_HEADING_CODE	NULL	VARCHAR2(10)	The Sub Heading Code for the sub heading text.
PRINT_SIZE	NULL	NUMBER(2)	The print size that will be used to print this line on the document.
PRINT_FONT	NULL	VARCHAR2(3)	The name of the print font that will be used to print this line on the document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PHRASE_GROUP_CODE	NULL	VARCHAR2(10)	The phrase group code.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_DOCUMENT_DTLS_N1	NOT UNIQUE	1	ITEM_CODE
		2	DOCUMENT_CODE
GR_ITEM_DOCUMENT_DTLS_N2	NOT UNIQUE	1	PHRASE_CODE
GR_ITEM_DOCUMENT_DTLS_N3	NOT UNIQUE	1	MAIN_HEADING_CODE
GR_ITEM_DOCUMENT_DTLS_N4	NOT UNIQUE	1	SUB_HEADING_CODE
GR_ITEM_DOCUMENT_DTLS_PK	UNIQUE	5	ITEM_CODE
		10	DOCUMENT_CODE
		15	PHRASE_CODE
		20	DISPLAY_ORDER



## GR\_ITEM\_DOC\_STATUSES

Contains the last change date and Item Document Status.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document Code for the document.
ITEM_DOCUMENT_STATUS	NOT NULL	VARCHAR2(1)	The Item Document Status. Valid Item Document Statuses are: P - Pending approvalL - Locked; in use or cannot be rebuiltA - ApprovedS - Secure; cannot be modified.
ITEM_DOCUMENT_VERSION	NULL	NUMBER	The Item Document Version.
REBUILD_ITEM_DOC_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the document has been approved to rebuild with the current changes, additions, and deletions in effect. The default is N.
LAST_APPROVAL_USER	NULL	NUMBER	When the Use Workflow preference is set to Y, this field will contain the user ID of the last person who approved changes to this Item Document. When the Use Workflow preference is set to N, this field will be empty.
LAST_DOC_AUTHOR_LOCK	NULL	NUMBER	Contains the user ID of the author who last modified the Item Document.
LAST_DOC_UPDATE_DATE	NOT NULL	DATE	Contains the Date when the document was last modified.
CREATED_BY	NOT NULL	NUMBER	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_DOC_STATUSES_PK	NOT UNIQUE	5	ITEM_CODE
		10	DOCUMENT_CODE

## GR\_ITEM\_EXPOSURE

Contains the exposure limit information for the item listed by country and authority.

The exposure limit information shown on a document is controlled in two places, at the country and document levels. At the country level, a country can select to print exposure information for another country. For example, Canada (CA) can select the exposure country code US to print exposure information for the US. At the document level, a flag indicates whether exposure limit information will be included on the document and under what heading it will be displayed.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EXPOSURE_AUTHS_B	EXPOSURE_AUTHORITY_CODE	EXPOSURE_AUTHORITY_CODE
GR_EXPOSURE_TYPES_B	EXPOSURE_TYPE_CODE	EXPOSURE_TYPE_CODE
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
GR_LABELS_B	LABEL_CODE	LABEL_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
EXPOSURE_AUTHORITY_CODE (PK)	NOT NULL	VARCHAR2(10)	The exposure authority code.
EXPOSURE_TYPE_CODE (PK)	NOT NULL	VARCHAR2(10)	Exposure Type Code.
EXPOSURE_UOM	NOT NULL	VARCHAR2(1)	The recorded concentration for the Exposure Dosage. Valid concentrations are:P - Parts per millionM - Mg/M3D - DustX - Limit not establishedO - Other.
EXPOSURE_DOSE	NOT NULL	NUMBER(15,6)	The value for the recorded Exposure Dosage.
EXPOSURE_TIME	NULL	VARCHAR2(30)	The value for the recorded Exposure Time.
EXPOSURE_NOTE	NULL	VARCHAR2(240)	Any additional notes about the Exposure Limit testing.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_ITEM_EXPOSURE_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_EXPOSURE_N2	NOT UNIQUE	1	LABEL_CODE
GR_ITEM_EXPOSURE_N3	NOT UNIQUE	1	EXPOSURE_AUTHORITY_CODE
GR_ITEM_EXPOSURE_N4	NOT UNIQUE	1	EXPOSURE_TYPE_CODE
GR_ITEM_EXPOSURE_PK	UNIQUE	5	ITEM_CODE
10			LABEL_CODE
		15	EXPOSURE_AUTHORITY_CODE
		20	EXPOSURE_TYPE_CODE

## GR\_ITEM\_GENERAL

Stores regulatory information that further identifies the item. It also stores flags that govern what data displays on the MSDS.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_USER	USER_ID	USER_ID
GR_ITEM_GROUPS_B	ITEM_GROUP_CODE	ITEM_GROUP_CODE
GR_PRODUCT_CLASSES	PRODUCT_CLASS	PRODUCT_CLASS

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
ITEM_GROUP_CODE	NULL	VARCHAR2(10)	The Group Code for the Item.
PRIMARY_CAS_NUMBER	NULL	VARCHAR2(15)	The first Chemical Abstracts Service (CAS) number assigned to the material.
INGREDIENT_FLAG	NULL	VARCHAR2(1)	Identifies whether or not the item is an Ingredient (flag will be 'Y') or a product/intermediate in which case the flag will be 'N'.
EXPLODE_INGREDIENT_FLAG	NULL	VARCHAR2(1)	If the ingredient flag is set to 'Y' and the ingredient has a components of its own, the user would set this flag to 'Y' and the explosion routines will check the explosion entity. The default will be 'N'. If the ingredient flag is set to 'Y'
FORMULA_SOURCE_INDICATOR	NOT NULL	VARCHAR2(1)	Formula source indicator is used by the system to indicate which applications module is the source of the formula to be exploded, if any, for this item.
USER_ID	NOT NULL	NUMBER(15)	Application user identifier.
INTERNAL_REFERENCE_NUMBER	NULL	VARCHAR2(32)	The internal reference number if one has been assigned.
PRODUCT_LABEL_CODE	NULL	VARCHAR2(30)	The product's label code to determine what type of label will be displayed or printed.
VERSION_CODE	NULL	VARCHAR2(10)	A sequential number to aid in tracking the changes each time you change the document.
LAST_VERSION_CODE	NULL	VARCHAR2(10)	Maintains the Version Code for when the document was last changed.
PRODUCT_CLASS	NULL	VARCHAR2(10)	The product class codes are used to define a logical grouping of products.
ACTUAL_HAZARD	NULL	NUMBER(7,3)	The percentage of the ingredient that is considered hazardous. Note : The value of this field is used to calculate the final percentage of the ingredient in the formula. Enter 100% for pure substances and intermediates that will be exploded.
PRINT_INGREDIENT_PHRASES_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the Ingredient Phrases will be displayed or printed on the document.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield

ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_ITEM_GENERAL_N1	NOT UNIQUE	1	ITEM_GROUP_CODE
GR_ITEM_GENERAL_N2	NOT UNIQUE	1	USER_ID
GR_ITEM_GENERAL_N3	NOT UNIQUE	1	PRODUCT_CLASS
GR_ITEM_GENERAL_PK	UNIQUE	5	ITEM_CODE

GR\_ITEM\_GROUPS\_B

Contains the item Group Code and Description and Consolidated Toxicity and Exposure Data.

Column Descriptions

Name	Null	Type	Description
ITEM_GROUP_CODE (PK)	NOT NULL	VARCHAR2(10)	The Group Code for the Item.
CONSOLIDATE_TOXICITY_DATA	NOT NULL	VARCHAR2(1)	Y or N to indicate whether Toxicity Data should be consolidated.
CONSOLIDATE_EXPOSURE_DATA	NOT NULL	VARCHAR2(1)	Y or N to indicate whether Exposure Data should be consolidated.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_GROUPS_B_PK	UNIQUE	5	ITEM_GROUP_CODE

## GR\_ITEM\_GROUPS\_TL

Contains the Item Group Description in multiple languages.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_ITEM_GROUPS_B	ITEM_GROUP_CODE	ITEM_GROUP_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_GROUP_CODE (PK)	NOT NULL	VARCHAR2(10)	The Group Code for the Item.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
DESCRIPTION	NOT NULL	VARCHAR2(240)	The Item Group Description associated with the Item Group Code.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_GROUPS_TL_N1	NOT UNIQUE	1	ITEM_GROUP_CODE
GR_ITEM_GROUPS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_ITEM_GROUPS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_ITEM_GROUPS_TL_PK	UNIQUE	5	ITEM_GROUP_CODE
		10	LANGUAGE

GR\_ITEM\_PROPERTIES

Contains the characteristics of the item such as physical properties, transport, and country-specific information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
GR_LABEL_PROPERTIES	SEQUENCE_NUMBER	SEQUENCE_NUMBER
PROPERTY_ID		PROPERTY_ID
		LABEL_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER(8)	The display order.
PROPERTY_ID (PK)	NOT NULL	VARCHAR2(6)	The Property Code for the Label attribute.
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The code identifying the label. Many codes come preconfigured with the application. Examples are: BOILING, FLASH, PH etc.
NUMBER_VALUE	NULL	NUMBER(15,6)	The number value associated with the property.
ALPHA_VALUE	NULL	VARCHAR2(240)	The required value or description.
DATE_VALUE	NULL	DATE	The required date. Examples of valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_PROPERTIES_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_PROPERTIES_N2	NOT UNIQUE	1	SEQUENCE_NUMBER
		2	PROPERTY_ID
		3	LABEL_CODE
GR_ITEM_PROPERTIES_PK	UNIQUE	5	ITEM_CODE
		10	SEQUENCE_NUMBER
		15	PROPERTY_ID
		20	LABEL_CODE



## GR\_ITEM\_RIGHT\_TO\_KNOW

Contains product composition information pertinent to each state's reporting level.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
AR_LOCATION_VALUES	LOCATION_SEGMENT_QUALIFIER	LOCATION_SEGMENT_QUALIFIER
LOCATION_SEGMENT_VALUE	LOCATION_SEGMENT_VALUE	PARENT_SEGMENT_ID
		PARENT_SEGMENT_ID
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
LOCATION_SEGMENT_QUALIFIER (PK)	NOT NULL	VARCHAR2(30)	Identifies which authority this location is for. Values may be sourced from RA_ADDRESSES.
LOCATION_SEGMENT_VALUE (PK)	NOT NULL	VARCHAR2(60)	Upper case of the value in AR_LOCATION_VALUES.LOCATION_SEGMENT_USER_VALUE
PARENT_SEGMENT_ID (PK)	NOT NULL	NUMBER	Identifies which location 'owns' this location (for example, which State owns this County)
MIN_INGREDIENTS_TO_PRINT	NOT NULL	NUMBER(15)	The minimum number of ingredients to print on the Right-To-Know label.
RTK_REPORTING_LEVEL	NULL	VARCHAR2(15)	The percentage above which the ingredient must be printed on the Right-to-Know label. A Right-to-Know label discloses the contents of materials by labeling containers with the appropriate ingredients.
USE_MSDS_NAME_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether to use the MSDS Name for the Right-To-Know label.
RTK_NAME	NOT NULL	VARCHAR2(240)	The name that should be printed on the RTK label if the MSDS name is not used.
PRINT_CAS_NUMBER_FLAG	NULL	VARCHAR2(1)	Y or N to indicate whether to print the primary CAS Number on the document.
TRADE_SECRET_FLAG	NULL	VARCHAR2(1)	Y or N to indicate whether there is a Trade Secret for the item.
TRADE_SECRET_NAME	NULL	VARCHAR2(32)	The name of the confidential formula, pattern, process, device, or information.
TRADE_SECRET_EXP_DATE	NULL	DATE	The date that the Trade Secret expires. Examples of valid date formats are: MM/DD/YY, DD/MM/YY, DD-MON-YYYY.
TRADE_SECRET_PERMIT	NULL	VARCHAR2(32)	The Trade Secret Permit Number.
STATE_DEFINED_ITEM_TYPE	NOT NULL	VARCHAR2(1)	The State Defined Item Type to override the default. For example, in certain states, especially California, some items defined as products, are defined as ingredients for the state SARA reporting.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column

Table and View Definitions

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LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
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Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_RIGHT_TO_KNOW_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_RIGHT_TO_KNOW_N2	NOT UNIQUE	1	LOCATION_SEGMENT_QUALIFIER
		2	LOCATION_SEGMENT_VALUE
		3	PARENT_SEGMENT_ID
GR_ITEM_RIGHT_TO_KNOW_PK	UNIQUE	5	ITEM_CODE
		10	LOCATION_SEGMENT_QUALIFIER
		15	LOCATION_SEGMENT_VALUE
		20	PARENT_SEGMENT_ID

## GR\_ITEM\_RISK\_PHRASES

Contains the Standard European Risk Phrase for the item. Multiple rows of Risk Phrase information can exist for each item.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EMEA	ITEM_CODE	ITEM_CODE
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
TEMPERATURE	NULL	NUMBER(15,6)	The storage or usage temperature for the item when using the specified Risk Phrase.
TEMPERATURE_SCALE	NULL	VARCHAR2(1)	The allowable values for the temperature scale. Valid values are: C - CentigradeF - FahrenheitK - Kelvin
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PHRASE_CODE	NOT NULL	VARCHAR2(10)	Code assigned to the phrase for additional risk phrase info.

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_RISK_PHRASES_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_RISK_PHRASES_N2	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_ITEM_RISK_PHRASES_PK	UNIQUE	5	ITEM_CODE
		10	RISK_PHRASE_CODE

# GR\_ITEM\_SAFETY\_PHRASES

Contains the European Safety Phrase for the item. Multiple rows of Safety Phrase information can exist for each item.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EMEA	ITEM_CODE	ITEM_CODE
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_SAFETY_PHRASES_B	SAFETY_PHRASE_CODE	SAFETY_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to a safety phrase text.
TEMPERATURE	NULL	NUMBER(15,6)	The storage or usage temperature for the item when using the specified Safety Phrase.
TEMPERATURE_SCALE	NULL	VARCHAR2(1)	The allowable values for the temperature scale. Valid values are: C - CentigradeF - FahrenheitK - Kelvin
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PHRASE_CODE	NOT NULL	VARCHAR2(10)	Code assigned to the phrase for additional safety phrase info.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_SAFETY_PHRASES_N1	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_SAFETY_PHRASES_N2	NOT UNIQUE	1	SAFETY_PHRASE_CODE
GR_ITEM_SAFETY_PHRASES_PK	UNIQUE	5	ITEM_CODE
		10	SAFETY_PHRASE_CODE

## GR\_ITEM\_TOXIC

This entity holds the toxicity information recorded for an item. There can be multiple rows of toxic information for each item.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
GR_LABELS_B	LABEL_CODE	LABEL_CODE
GR_TOXIC_EFFECTS_B	TOXIC_EFFECT_CODE	TOXIC_EFFECT_CODE
GR_TOXIC_ROUTES_B	TOXIC_ROUTE_CODE	TOXIC_ROUTE_CODE
GR_TOXIC_SPECIES_B	TOXIC_SPECIES_CODE	TOXIC_SPECIES_CODE

### Column Descriptions

Name	Null	Type	Description
TOXIC_EXPOSURE_CODE (PK)	NOT NULL	VARCHAR2(4)	The type of exposure to which the target species is subjected. Typical values will be LD50 or LC50, meaning Lethal Dosage for 50% of the test population and Lethal Concentration for 50% of the test population.
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be entered.
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
TOXIC_ROUTE_CODE (PK)	NOT NULL	VARCHAR2(3)	The code defining the route of administration. A typical example would be IAL for intraaural.
TOXIC_SPECIES_CODE (PK)	NOT NULL	VARCHAR2(3)	The three character code referring to the species used in the toxicity testing. A typical example would be CHK for Chicken.
TOXIC_EFFECT_CODE	NULL	VARCHAR2(3)	The three character code that links to the description of the toxic effects.
TOXIC_DOSE	NOT NULL	NUMBER(15,6)	The dosage, as a numeric, that was given to the test species by the specified route of administration.
TOXIC_UOM	NOT NULL	VARCHAR2(1)	The recorded unit of measure for the dosage given to the test population.
EXPOSURE_TIME	NULL	VARCHAR2(30)	The amount of time that the target species has been subjected to the Toxic item.
TOXIC_NOTE	NULL	VARCHAR2(240)	Any additional notes about the toxicity testing.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield

## Table and View Definitions

ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ITEM_TOXIC_N1	NOT UNIQUE	1	LABEL_CODE
GR_ITEM_TOXIC_N2	NOT UNIQUE	1	ITEM_CODE
GR_ITEM_TOXIC_N3	NOT UNIQUE	1	TOXIC_ROUTE_CODE
GR_ITEM_TOXIC_N4	NOT UNIQUE	1	TOXIC_SPECIES_CODE
GR_ITEM_TOXIC_N5	NOT UNIQUE	1	TOXIC_EFFECT_CODE
GR_ITEM_TOXIC_PK	UNIQUE	5	TOXIC_EXPOSURE_CODE
		10	LABEL_CODE
		15	ITEM_CODE
		20	TOXIC_ROUTE_CODE
		25	TOXIC_SPECIES_CODE

## GR\_LABELS\_B

Contains many label classes, each containing many rows that define the format and text for each line on the document. For example, a label of BOILING will determine how and where the physical characteristics of boiling point display on the document.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_LABEL_CLASSES_B	LABEL_CLASS_CODE	LABEL_CLASS_CODE
GR_SAFETY_CATEGORIES_B	SAFETY_CATEGORY_CODE	SAFETY_CATEGORY_CODE

### Column Descriptions

Name	Null	Type	Description
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
SAFETY_CATEGORY_CODE	NOT NULL	VARCHAR2(3)	The Safety Category Code.
LABEL_CLASS_CODE	NOT NULL	VARCHAR2(20)	The label class code for the item.
DATA_POSITION_INDICATOR	NOT NULL	VARCHAR2(1)	Identifies where on the print line the data associated with the label will display or print. The default is C. Valid values are: I - Immediately after the label. C - Starting at the center of the line. R - Right justified. N - Left justified on the next line and retains the print font definition specified for the Label.
LABEL_PROPERTIES_FLAG	NOT NULL	VARCHAR2(1)	Label properties flag.
ITEM_PROPERTIES_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the Item Properties are maintained for the Label.
INGREDIENT_VALUE_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether the Ingredient Values will be displayed or printed on the document. The default is N.
INHERIT_FROM_LABEL_CODE	NULL	VARCHAR2(5)	The specific Label Code that the item information will be copied from as default.
PRINT_INGREDIENT_INDICATOR	NULL	VARCHAR2(1)	A valid Print Ingredient Indicator to determine how the Ingredient information will be displayed or printed. Valid values are: P - Concentration percentage will print on the label. B - Concentration percentage will not print on the label. A - The alphanumeric value of the ingredient will print on the label. N - The numeric value of the ingredient will print on the label.
PRINT_FONT	NULL	VARCHAR2(3)	The Print Font that will be used in the document.
PRINT_SIZE	NULL	NUMBER(2)	The Print Size that will be used in the document.
INGREDIENT_LABEL_CODE	NULL	VARCHAR2(5)	The Label Code for the Ingredient.
VALUE_PROCEDURE	NULL	VARCHAR2(24)	Contains the name of the stored procedure that is called for the label.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield

## Table and View Definitions

ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABELS_B_N1	NOT UNIQUE	1	LABEL_CLASS_CODE
GR_LABELS_B_N2	NOT UNIQUE	1	SAFETY_CATEGORY_CODE
GR_LABELS_B_PK	UNIQUE	5	LABEL_CODE



## GR\_LABELS\_TL

Contains the Label Description that will be displayed or printed on the document.  
One row displays for each language for each label code.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_LABELS_B	LABEL_CODE	LABEL_CODE

### Column Descriptions

Name	Null	Type	Description
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
LABEL_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Label Description that will be displayed or printed on the document. One row displays for each language for each label code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABELS_TL_N1	NOT UNIQUE	1	LABEL_CODE
GR_LABELS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_LABELS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_LABELS_TL_PK	UNIQUE	5	LABEL_CODE
		10	LANGUAGE

## GR\_LABEL\_CLASSES\_B

The LABEL CLASS groups the label codes together into like areas such as HEADER, PHYSICAL and TRANSPORT. Although we will distribute the application with a number of pre-defined labelclasses, users can add to them.

### Column Descriptions

Name	Null	Type	Description
LABEL_CLASS_CODE (PK)	NOT NULL	VARCHAR2(20)	The label class code for the item.
FORM_BLOCK	NULL	VARCHAR2(14)	The Block on the Form that will be used for data entry.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_LABEL_CLASSES_B_PK	UNIQUE	5	LABEL_CLASS_CODE

# GR\_LABEL\_CLASSES\_TL

Contains the Label Class Description in multiple languages.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_LABEL_CLASSES_B	LABEL_CLASS_CODE	LABEL_CLASS_CODE

Column Descriptions

Name	Null	Type	Description
LABEL_CLASS_CODE (PK)	NOT NULL	VARCHAR2(20)	The label class code for the item.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
LABEL_CLASS_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Label Class Description for the Item in the languages required.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABEL_CLASSES_TL_N1	NOT UNIQUE	1	LABEL_CLASS_CODE
GR_LABEL_CLASSES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_LABEL_CLASSES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_LABEL_CLASSES_TL_PK	UNIQUE	5	LABEL_CLASS_CODE
		10	LANGUAGE

## GR\_LABEL\_CLASS\_RESPS

Contains the Responsibility Code that can be assigned to the label. Primarily used for security purposes in the application. For example, someone responsible for transportation information will only have labels that are linked to that responsibility and can navigate only to the Transportation form.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_RESPONSIBILITY	APPLICATION_ID	APPLICATION_ID
	RESPONSIBILITY_ID	RESPONSIBILITY_ID
GR_LABEL_CLASSES_B	LABEL_CLASS_CODE	LABEL_CLASS_CODE

### Column Descriptions

Name	Null	Type	Description
LABEL_CLASS_CODE (PK)	NOT NULL	VARCHAR2(20)	The label class code for the item.
APPLICATION_ID (PK)	NOT NULL	NUMBER(15)	Application identifier.
RESPONSIBILITY_ID (PK)	NOT NULL	NUMBER(15)	Responsibility identifier.
DISPLAY_SEQUENCE	NOT NULL	NUMBER	The Display Sequence Number to determine the sequence that will be used for displaying the Label Class Descriptions in the navigator.
ALLOW_CREATE_UPDATE	NOT NULL	VARCHAR2(1)	Y to allow a particular Responsibility ID to have create and update abilities within the Label Class or type N to allow a particular Responsibility ID to have read only access within the Label Class.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABEL_CLASS_RESPS_N1	NOT UNIQUE	1	LABEL_CLASS_CODE
GR_LABEL_CLASS_RESPS_N2	NOT UNIQUE	2	APPLICATION_ID
		4	RESPONSIBILITY_ID
GR_LABEL_CLASS_RESPS_PK	UNIQUE	5	LABEL_CLASS_CODE
		10	APPLICATION_ID
		15	RESPONSIBILITY_ID

# GR\_LABEL\_PROD\_CLASSES

Contains the product classes that will not print the label code and associated information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_LABELS_B	LABEL_CODE	LABEL_CODE
GR_PRODUCT_CLASSES	PRODUCT_CLASS	PRODUCT_CLASS

Column Descriptions

Name	Null	Type	Description
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The code identifying the label. Many codes come preconfigured with the application. Examples are: BOILING, FLASH, PH etc.
PRODUCT_CLASS (PK)	NOT NULL	VARCHAR2(10)	The product class codes are used to define a logical grouping of products by properties or production process.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABEL_PROD_CLASSES_N1	NOT UNIQUE	1	LABEL_CODE
GR_LABEL_PROD_CLASSES_N2	NOT UNIQUE	1	PRODUCT_CLASS
GR_LABEL_PROD_CLASSES_PK	UNIQUE	5	LABEL_CODE
		10	PRODUCT_CLASS

## GR\_LABEL\_PROPERTIES

Contains the display properties for the label for each item code. For example, the label Color has a display property of text or phrase entry, and boiling point has display properties of text, low range, high range, and temperature scale.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_LABELS_B	LABEL_CODE	LABEL_CODE
GR_PROPERTIES_B	PROPERTY_ID	PROPERTY_ID

### Column Descriptions

Name	Null	Type	Description
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER	The sequence number to determine the numerical sequence that will be used for displaying or printing the Label Property on the document. Type 0 to avoid displaying or printing the Label Property.
PROPERTY_ID (PK)	NOT NULL	VARCHAR2(6)	The Property Code for the Label attribute.
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The code identifying the label. Many codes come preconfigured with the application. Examples are: BOILING, FLASH, PH etc.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_LABEL_PROPERTIES_N1	NOT UNIQUE	1	PROPERTY_ID
GR_LABEL_PROPERTIES_N2	NOT UNIQUE	1	LABEL_CODE
GR_LABEL_PROPERTIES_PK	UNIQUE	5	SEQUENCE_NUMBER
		10	PROPERTY_ID
		15	LABEL_CODE

### Sequences

Sequence	Derived Column
GR_LABEL_PROPERTIES_S	SEQUENCE_NUMBER

# GR\_LINKED\_RISKS

Contains additional Risk Phrase Codes for European environmental class hazards that are linked to the first Risk Phrase Code.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_RISK_CALCULATIONS	RISK_PHRASE_CODE	RISK_PHRASE_CODE
	CALCULATION_NAME_ID	CALCULATION_NAME_ID

Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CALCULATION_NAME_ID (PK)	NOT NULL	VARCHAR2(10)	The Calculation Name ID associated with the health hazard and its Risk Phrases.
LINKED_RISK_PHRASE_CODE	NOT NULL	VARCHAR2(3)	The additional Risk Phrase Codes for European environmental class hazards that are linked to the first Risk Phrase Code. The Linked Risk Phrase Code flag must be set to Y for the Linked Risk to be active.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_LINKED_RISKS_N1	NOT UNIQUE	1	RISK_PHRASE_CODE
		2	CALCULATION_NAME_ID
GR_LINKED_RISKS_PK	UNIQUE	5	RISK_PHRASE_CODE
		10	CALCULATION_NAME_ID



## GR\_MAIN\_HEADINGS\_B

Contains the Main Heading Code where the heading text is located and where the Glossary heading text is located. Codes are both system-defined and user-defined.

### Column Descriptions

Name	Null	Type	Description
MAIN_HEADING_CODE (PK)	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
MAIN_HEADING_PRINT_FONT	NULL	VARCHAR2(3)	The name of the Print Font that will be used to print the Main Heading of the document.
MAIN_HEADING_PRINT_SIZE	NULL	NUMBER(2)	The size of the Print Font that will be used to print the Main Heading of the document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_MAIN_HEADINGS_B_PK	UNIQUE	5	MAIN_HEADING_CODE

# GR\_MAIN\_HEADINGS\_TL

The Main Heading Description.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_MAIN_HEADINGS_B	MAIN_HEADING_CODE	MAIN_HEADING_CODE

Column Descriptions

Name	Null	Type	Description
MAIN_HEADING_CODE (PK)	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
MAIN_HEADING_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Main Heading Description in the required languages.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_MAIN_HEADINGS_TL_N1	NOT UNIQUE	1	MAIN_HEADING_CODE
GR_MAIN_HEADINGS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_MAIN_HEADINGS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_MAIN_HEADINGS_TL_PK	UNIQUE	5	MAIN_HEADING_CODE
		10	LANGUAGE

## GR\_MULTILINGUAL\_NAME\_TL

Contains the Document, Shipping, Trade, and Chemical Family Names for the item, by language.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
GR_LABELS_B	LABEL_CODE	LABEL_CODE

### Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
LABEL_CODE (PK)	NOT NULL	VARCHAR2(5)	The Code that will be used in the Regulatory module to reference the label information for the Item. Label Codes such as Boiling and Flash Points and PH are prepopulated in the Regulatory module. Additional label codes can also be typed.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
NAME_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Document, Shipping, Trade, and Chemical Family Names for the item, by language.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_MULTILINGUAL_NAME_TL_N1	NOT UNIQUE	1	ITEM_CODE
GR_MULTILINGUAL_NAME_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_MULTILINGUAL_NAME_TL_N3	NOT UNIQUE	1	LABEL_CODE
GR_MULTILINGUAL_NAME_TL_N4	NOT UNIQUE	1	SOURCE_LANG
GR_MULTILINGUAL_NAME_TL_PK	UNIQUE	5	ITEM_CODE
		10	LANGUAGE
		15	LABEL_CODE

## GR\_ORGANIZATION\_CONTACTS

Contains the contact information for the organization.

### Column Descriptions

Name	Null	Type	Description
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	The Organization Code that produces the sub-stance.
DAYTIME_CONTACT_NAME	NULL	VARCHAR2(100)	Contact Name available during the day.
DAYTIME_TELEPHONE	NULL	VARCHAR2(25)	Contact daytime telephone number.
DAYTIME_EXTENSION	NULL	VARCHAR2(20)	Contact daytime telephone number extension.
DAYTIME_AREA_CODE	NULL	VARCHAR2(10)	Contact daytime area code.
EVENING_CONTACT_NAME	NULL	VARCHAR2(100)	Contact Name available after hours.
EVENING_TELEPHONE	NULL	VARCHAR2(20)	Contact evening telephone number.
EVENING_EXTENSION	NULL	VARCHAR2(20)	Contact evening telephone number extension.
EVENING_AREA_CODE	NULL	VARCHAR2(10)	Contact evening area code.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_ORGANIZAITON_CONTACTS_PK	NOT UNIQUE	1	ORGN_CODE

## GR\_OTHER\_NAMES\_TL

The synonym entity records alternative names for an item by language. They will be sequenced in one of two ways, as determined by the preference SYNONYM STORAGE SEQUENCE. The values for this are 'A' -- Alphabetically, in which case the sequence number will always be zero or 'E' -- Entered sequence, in which case the synonyms will always appear in the order they were entered.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
GR_ITEM_GENERAL	ITEM_CODE	ITEM_CODE
SY_ORGN_MST	ORGN_CODE	ORGN_CODE

Column Descriptions

Name	Null	Type	Description
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The Item Code for the substance used in or produced by the process.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	The Organization Code that uses the synonym for the item.
SYNONYM_SEQUENCE_NUMBER	(PK)NOT NULL	NUMBER(8)	The Sequence Number to determine the sequence that will be used for displaying or printing the Synonym on the document.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
ITEM_OTHER_NAME	NOT NULL	VARCHAR2(240)	The synonym for the item.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_OTHER_NAMES_TL_N1	NOT UNIQUE	1	ITEM_CODE
GR_OTHER_NAMES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_OTHER_NAMES_TL_N3	NOT UNIQUE	5	ORGN_CODE
GR_OTHER_NAMES_TL_PK	UNIQUE	5	ITEM_CODE 10LANGUAGE
		15	ORGN_CODE
		20	SYNONYM_SEQUENCE_NUMBER

## GR\_PHRASES\_B

Contains the high-level information about the Phrase, the Label Code, and the wording that identifies where on the document the phrase normally displays or prints. The default can be overridden when the phrase is attached to an item or a document.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_MAIN_HEADINGS_B	MAIN_HEADING_CODE	MAIN_HEADING_CODE
GR_SUB_HEADINGS_B	SUB_HEADING_CODE	SUB_HEADING_CODE

### Column Descriptions

Name	Null	Type	Description
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
MAIN_HEADING_CODE	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
SUB_HEADING_CODE	NULL	VARCHAR2(10)	The Sub Heading Code for the sub heading text.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

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ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_PHRASES_B_F1	NOT UNIQUE	1	MAIN_HEADING_CODE
GR_PHRASES_B_F2	NOT UNIQUE	1	SUB_HEADING_CODE
GR_PHRASES_B_PK	UNIQUE	5	PHRASE_CODE



## GR\_PHRASES\_TL

Contains information for indexing and the print image.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE

### Column Descriptions

Name	Null	Type	Description
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
KEY_WORD1	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
KEY_WORD2	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
KEY_WORD3	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
KEY_WORD4	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
KEY_WORD5	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
KEY_WORD6	NULL	VARCHAR2(10)	A Keyword in the Phrase to search on.
PHRASE_TEXT	NOT NULL	VARCHAR2(2000)	The Phrase Text that will be used on the document.
PRINT_FONT	NULL	VARCHAR2(3)	The Print Font that will be used in the document.
PRINT_SIZE	NULL	NUMBER(2)	The Print Size that will be used in the document.
IMAGE_PATHNAME	NULL	VARCHAR2(255)	The Pathname for the bitmap Image associated with the Phrase.
IMAGE_PRINT_LOCATION	NULL	VARCHAR2(1)	B to print the image before or A to print the image after the document text.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_PHRASES_TL_N1	NOT UNIQUE	1	PHRASE_CODE
GR_PHRASES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_PHRASES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_PHRASES_TL_PK	UNIQUE	5	PHRASE_CODE
		10	LANGUAGE

## GR\_PHRASE\_CONCS

Contains at least one record for a phrase. Also holds the type and hierarchy associated with the concentration levels for the phrase.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_PHRASE_TYPES	PHRASE_TYPE_CODE	PHRASE_TYPE_CODE

### Column Descriptions

Name	Null	Type	Description
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
PHRASE_CONCENTRATION_LOW	(PK)NOT NULL	NUMBER(15,6)	The percentage of the Concentration above which the hierarchy and type should be applied.
PHRASE_CONCENTRATION_HIGH	(PK)NOT NULL	NUMBER(15,6)	The percentage of the Concentration below the hierarchy and type should be applied.
PHRASE_TYPE_CODE	NULL	VARCHAR2(10)	The Phrase Type Code.
PHRASE_HIERARCHY	NULL	NUMBER(6)	The Phrase Heirarchy for the phrase on the document if it conflicts with another phrase. When 2 phrase codes have the same Hierarchy Type, the phrase with the higher Hierarchy Code will take precedence and display or print on the document.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield

Table and View Definitions

ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_PHRASE_CONCS_F1	NOT UNIQUE	1	PHRASE_CODE
GR_PHRASE_CONCS_F2	NOT UNIQUE	1	PHRASE_TYPE_CODE
GR_PHRASE_CONCS_PK	UNIQUE	5	PHRASE_CODE
		10	PHRASE_CONCENTRATION_LOW
		15	PHRASE_CONCENTRATION_HIGH

## GR\_PHRASE\_CONFLICTS

Contains the action for resolving conflicting text phrases.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE_ALSO_INVOLVED
GR_PHRASES_B	PHRASE_CODE	PHRASE_CODE_SOLUTION

### Column Descriptions

Name	Null	Type	Description
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
PHRASE_CODE_ALSO_INVOLVED (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
PHRASE_CODE_SOLUTION	NULL	VARCHAR2(10)	The Code assigned to the Phrase.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_PHRASE_CONFLICTS_N1	NOT UNIQUE	1	PHRASE_CODE
GR_PHRASE_CONFLICTS_N2	NOT UNIQUE	1	PHRASE_CODE_ALSO_INVOLVED
GR_PHRASE_CONFLICTS_N3	NOT UNIQUE	1	PHRASE_CODE_SOLUTION
GR_PHRASE_CONFLICTS_PK	UNIQUE	5	PHRASE_CODE
		10	PHRASE_CODE_ALSO_INVOLVED

# GR\_PHRASE\_GROUP\_ASSOC

Contains the Phrase Group Sequence Number.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_PHRASES_TL	PHRASE_CODE	PHRASE_CODE
		LANGUAGE_CODE
GR_PHRASE_GROUP_CODES	PHRASE_GROUP_CODE	PHRASE_GROUP_CODE

Column Descriptions

Name	Null	Type	Description
PHRASE_GROUP_CODE (PK)	NOT NULL	VARCHAR2(10)	Phrase Group code
PHRASE_CODE (PK)	NOT NULL	VARCHAR2(10)	The Code assigned to the Phrase.
LANGUAGE_CODE	NULL	VARCHAR2(4)	Language code
SEQUENCE_NUMBER	NOT NULL	NUMBER	The Regulatory module assigns the Sequence Number for displaying or printing the Phrase Group on the document.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_PHRASE_GROUP_ASSOC_N1	NOT UNIQUE	1	PHRASE_GROUP_CODE
GR_PHRASE_GROUP_ASSOC_N2	NOT UNIQUE	1	PHRASE_CODE
		2	LANGUAGE_CODE
GR_PHRASE_GROUP_ASSOC_PK	UNIQUE	5	PHRASE_GROUP_CODE
		10	PHRASE_CODE

## GR\_PHRASE\_GROUP\_CODES

Contains the Phrase Group Code and Description.

### Column Descriptions

Name	Null	Type	Description
PHRASE_GROUP_CODE (PK)	NOT NULL	VARCHAR2(10)	The Phrase Group Code.
PHRASE_GROUP_DESCRIPTION	NOT NULL	VARCHAR2(240)	The Phrase Group Description.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_PHRASE_GROUP_CODES_PK	UNIQUE	5	PHRASE_GROUP_CODE

# GR\_PHRASE\_TYPES

Contains the Phrase Type Code and Description.

Column Descriptions				
Name	Null	Type	Description	
PHRASE_TYPE_CODE (PK)	NOT NULL	VARCHAR2(10)	Phrase type code	
PHRASE_TYPE_DESCRIPTION	NOT NULL	VARCHAR2(240)	Phrase type code description	
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column	
CREATION_DATE	NOT NULL	DATE	Standard Who column	
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column	
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column	
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column	
Indexes				
Index Name		Index Type	Sequence	Column Name
GR_PHRASE_TYPES_PK		UNIQUE	5	PHRASE_TYPE_CODE



## GR\_PRODUCT\_CLASSES

Contains the classifications of products with similar requirements or properties, such as solids or acid-based products

### Column Descriptions

Name	Null	Type	Description
PRODUCT_CLASS (PK)	NOT NULL	VARCHAR2(10)	The product class codes are used to define a logical grouping of products by properties or production process.
PRODUCT_CLASS_DESC	NOT NULL	VARCHAR2(240)	The description of the logical grouping of the products.
AUTO_ASSIGN_REC_SAFETY_PHRASES	NOT NULL	VARCHAR2(1)	The auto assign recommended safety phrases flag. The valid values are Y or N.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_PRODUCT_CLASSES_PK	UNIQUE	5	PRODUCT_CLASS

# GR\_PROPERTIES\_B

Contains the Property Code and Indicator for the label attributes. A label can have several Property Codes.

Column Descriptions

Name	Null	Type	Description
PROPERTY_ID (PK)	NOT NULL	VARCHAR2(6)	The unique property id code.
PROPERTY_TYPE_INDICATOR	NOT NULL	VARCHAR2(1)	The property type for the property. Valid values are A(Alpha), N(Numeric), D(Date), P(Phrase), F(Flag).
LENGTH	NULL	NUMBER(3)	The length of the property type.
PRECISION	NULL	NUMBER(8)	The precision of the property type.
RANGE_MIN	NULL	NUMBER	The minimum range of the property.
RANGE_MAX	NULL	NUMBER	The maximum range of the property.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_PROPERTIES_B_PK	UNIQUE	5	PROPERTY_ID

## GR\_PROPERTIES\_TL

Contains the Property Description for the label attributes. A label can have several Property Codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_PROPERTIES_B	PROPERTY_ID	PROPERTY_ID

### Column Descriptions

Name	Null	Type	Description
PROPERTY_ID (PK)	NOT NULL	VARCHAR2(6)	The unique property id code.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
DESCRIPTION	NOT NULL	VARCHAR2(240)	The Property Description for the Label attribute.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_PROPERTIES_TL_N1	NOT UNIQUE	1	PROPERTY_ID
GR_PROPERTIES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_PROPERTIES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_PROPERTIES_TL_PK	UNIQUE	5	PROPERTY_ID
		10	LANGUAGE

# GR\_PROPERTY\_VALUES\_TL

Contains the Description, Value, and Meaning used to validate the data entered for the property.

For example, Marine Pollutants can have values of N (Not a Pollutant), P (Marine Pollutant), PP (Severe Pollutant), and U (Unknown).

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_PROPERTIES_B	PROPERTY_ID	PROPERTY_ID

Column Descriptions

Name	Null	Type	Description
PROPERTY_ID (PK)	NOT NULL	VARCHAR2(6)	The unique property id code.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
VALUE (PK)	NOT NULL	VARCHAR2(30)	The allowable values for the Property are Celsius, Fahrenheit, and Kelvin.
DISPLAY_ORDER	NOT NULL	NUMBER(15)	The Sequence Number to determine the sequence that will be used for displaying or printing the Label Property on the document.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
MEANING	NULL	VARCHAR2(80)	The description of the Property Value.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_PROPERTY_VALUES_N1	NOT UNIQUE	1	PROPERTY_ID
GR_PROPERTY_VALUES_N2	NOT UNIQUE	1	LANGUAGE
GR_PROPERTY_VALUES_N3	NOT UNIQUE	1	SOURCE_LANG
GR_PROPERTY_VALUES_TL_PK	UNIQUE	5	PROPERTY_ID
		10	LANGUAGE
		15	VALUE

## GR\_RECIPIENT\_ADDRESSES

Contains multiple address information for the customer.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_RECIPIENT_ADDR_TYPES	ADDRESS_TYPE	ADDRESS_TYPE
GR_RECIPIENT_INFO	RECIPIENT_CODE	RECIPIENT_CODE
SY_ADDR_MST	ADDR_ID	ADDR_ID

### Column Descriptions

Name	Null	Type	Description
ADDR_ID (PK)	NOT NULL	NUMBER(10)	Surrogate id uniquely identifying an address.
RECIPIENT_CODE (PK)	NOT NULL	VARCHAR2(32)	The Customer Code.
ADDRESS_TYPE	NULL	VARCHAR2(10)	A unique address type.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_RECIPIENT_ADDRESSES_N1	NOT UNIQUE	1	ADDR_ID
GR_RECIPIENT_ADDRESSES_N2	NOT UNIQUE	1	RECIPIENT_CODE
GR_RECIPIENT_ADDRESSES_N3	NOT UNIQUE	1	ADDRESS_TYPE
GR_RECIPIENT_ADDRESSES_PK	UNIQUE	5	ADDR_ID
		10	RECIPIENT_CODE

# GR\_RECIPIENT\_ADDR\_TYPES

Contains additional address types and descriptions that fall outside of the standard shipping and invoice addresses.

Column Descriptions

Name	Null	Type	Description
ADDRESS_TYPE (PK)	NOT NULL	VARCHAR2(10)	A unique address type.
DESCRIPTION	NOT NULL	VARCHAR2(240)	An address type description.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_RECIPIENT_ADDR_TYPES_PK	UNIQUE	5	ADDRESS_TYPE

## GR\_RECIPIENT\_DOCUMENTS

This entity will only be populated if the ADDITIONAL DOCUMENT FLAG on the customer entity is set to 'Y'. It allows the user to specify the printing of additional documents with the primary document. An example of this might be the primary document being the MSDS and an additional document being a technical or VOC data sheet.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_RECIPIENT_INFO	RECIPIENT_CODE	RECIPIENT_CODE

### Column Descriptions

Name	Null	Type	Description
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
RECIPIENT_CODE (PK)	NOT NULL	VARCHAR2(32)	The customer code.
DOCUMENT_CODE (PK)	NOT NULL	VARCHAR2(10)	The Document code for the document.
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_RECIPIENT_DOCUMENTS_N1	NOT UNIQUE	1	RECIPIENT_CODE
GR_RECIPIENT_DOCUMENTS_N2	NOT UNIQUE	1	DOCUMENT_CODE
GR_RECIPIENT_DOCUMENTS_PK	UNIQUE	5	RECIPIENT_CODE
		10	DOCUMENT_CODE

## GR\_RECIPIENT\_INFO

Contains additional customer specific information.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_COUNTRY_PROFILES	TERRITORY_CODE	TERRITORY_CODE
GR_COVER_LETTERS_B	COVER_LETTER_ID	COVER_LETTER_ID
GR_DISCLOSURES	DISCLOSURE_CODE	DISCLOSURE_CODE
GR_DOCUMENT_CODES	DOCUMENT_CODE	DOCUMENT_CODE
GR_REGIONS	REGION_CODE	REGION_CODE

### Column Descriptions

Name	Null	Type	Description
RECIPIENT_CODE (PK)	NOT NULL	VARCHAR2(32)	The Customer code.
RECIPIENT_NAME	NOT NULL	VARCHAR2(240)	The Customer Name.
DOCUMENT_CODE	NULL	VARCHAR2(10)	The Document Code.
TERRITORY_CODE	NOT NULL	VARCHAR2(2)	The code for the territory.
PRINT_RECIPIENT_PRODUCT_CODE	NOT NULL	VARCHAR2(1)	Y or N to indicate whether to print the Customer Product Code on the document.
UPDATE_ADDRESS_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether to update the address from the OPM Order Processing module.
DISCLOSE_ALL_INGREDIENTS_FLAG	NOT NULL	VARCHAR2(1)	Y or N to indicate whether to disclose all ingredients for the item on the document.
ADDRESS_TO_PRINT	NOT NULL	VARCHAR2(1)	The value for the address that should be printed on the document. Valid values are:O - OrganizationC - CustomerB - Both
DOCUMENT_PRINT_FREQUENCY	NOT NULL	VARCHAR2(1)	The value for when the document will be printed. Valid values are:R - as required (default)A - alwaysN - neverQ - quarterlyS - semi-annuallyY - annually
DISCLOSURE_CODE	NULL	VARCHAR2(10)	Disclosure Code(s). Use Disclosure Codes to assign value(s) to reporting levels (disclosure percentages) by country or recipient.
REGION_CODE	NULL	VARCHAR2(4)	The four-character code to be assigned for geographic regions in which one or more languages are spoken. Regions can be areas within one country or areas covering several countries.
COVER_LETTER_ID	NULL	VARCHAR2(10)	The cover letter id code.
ADDITIONAL_DOCUMENTS_FLAG	NULL	VARCHAR2(1)	Y to print additional documents for the customer or N if there are no additional documents.
ADDITIONAL_ADDRESS_FLAG	NULL	VARCHAR2(1)	Y or N to indicate whether an additional address exists for the customer.
SHIPPING_ADDRESS	NULL	VARCHAR2(1)	Send to shipping address flag.
INVOICE_ADDRESS	NULL	VARCHAR2(1)	Send to invoice address flag.
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield

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ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_RECIPIENT_INFO_N1	NOT UNIQUE	1	COVER_LETTER_ID
GR_RECIPIENT_INFO_N2	NOT UNIQUE	1	DOCUMENT_CODE
GR_RECIPIENT_INFO_N3	NOT UNIQUE	1	DISCLOSURE_CODE
GR_RECIPIENT_INFO_N4	NOT UNIQUE	1	REGION_CODE
GR_RECIPIENT_INFO_N5	NOT UNIQUE	1	TERRITORY_CODE
GR_RECIPIENT_INFO_PK	UNIQUE	5	RECIPIENT_CODE

# GR\_REGIONS

Stores the region code and its description. Each record represents a geographic region.

*Column Descriptions*

Name	Null	Type	Description
REGION_CODE (PK)	NOT NULL	VARCHAR2(4)	The four-character code to be assigned for geographic regions in which one or more languages are spoken. Regions can be areas within one country or areas covering several countries.
REGION_DESCRIPTION	NOT NULL	VARCHAR2(240)	The actual name of the region to which the four character code has been assigned. Regions can be areas within one country or areas covering several countries.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_REGIONS_PK	UNIQUE	5	REGION_CODE

## GR\_REGION\_LANGUAGES

Contains the language and region combinations.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
GR_REGIONS	REGION_CODE	REGION_CODE

### Column Descriptions

Name	Null	Type	Description
REGION_CODE (PK)	NOT NULL	VARCHAR2(4)	The four-character code to be assigned for geographic regions in which one or more languages are spoken. Regions can be areas within one country or areas covering several countries.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_REGION_LANGUAGES_N1	NOT UNIQUE	1	REGION_CODE
GR_REGION_LANGUAGES_N2	NOT UNIQUE	1	LANGUAGE
GR_REGION_LANGUAGES_PK	UNIQUE	5	REGION_CODE
		10	LANGUAGE

# GR\_RISK\_CALCULATIONS

Contains the flags that associate carcinogenic, health, and toxicity classifications with Risk Phrases.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_CALCULATION_NAMES	CALCULATION_NAME_ID	CALCULATION_NAME_ID
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CALCULATION_NAME_ID (PK)	NOT NULL	VARCHAR2(10)	Calculation name id code.
LINKED_RISKS_FLAG	NOT NULL	VARCHAR2(1)	Not yet available
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_RISK_CALCULATIONS_N1	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_RISK_CALCULATIONS_N2	NOT UNIQUE	1	CALCULATION_NAME_ID
GR_RISK_CALCULATIONS_PK	UNIQUE	5	RISK_PHRASE_CODE
		10	CALCULATION_NAME_ID

## GR\_RISK\_COMBINATIONS

Contains the Group and Sequence information for listing multiple Risk Phrase Codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE_COMBO

### Column Descriptions

Name	Null	Type	Description
COMBINATION_SEQUENCE_NUMBER	(PK)NOT NULL	NUMBER	The Regulatory module assigns the sequence number for displaying or printing the Risk Phrase(s) on the document.
RISK_PHRASE_CODE	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
COMBINATION_GROUP_NUMBER	NOT NULL	NUMBER(15)	The Combination Group Number. RiskPhrase Codes can be combined to form sets groups. For example, R7/8, R7/9, and R7/47 are three Risk Combination Groups.
RISK_PHRASE_CODE_COMBO	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
DISPLAY_ORDER	NOT NULL	NUMBER(15)	A Display Order value to arrange the combined Risk Phrase Codes in as required. For example, R1 and R2 should be displayed as R1/2 not R2/1.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_RISK_COMBINATIONS_F1	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_RISK_COMBINATIONS_F2	NOT UNIQUE	1	RISK_PHRASE_CODE_COMBO
GR_RISK_COMBINATIONS_PK	UNIQUE	5	COMBINATION_SEQUENCE_NUMBER

### Sequences

Sequence	Derived Column
GR_RISK_COMBINATIONS_S	COMBINATION_SEQUENCE_NUMBER

## GR\_RISK\_PHRASES\_B

Stores the code and name of acceptable phrases in multiple languages.

### Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
ADDITIONAL_TEXT_INDICATOR	NOT NULL	VARCHAR2(1)	The additional text flag is used where item specific text needs to be substituted in the phrase. One example is the safety phrase S28 -- 'After contact with skin, wash immediately with plenty of ...'. The options are: 'N' -- No additional text is required. This is the default. 'P' -- Phrase. An additional sentence or block of text is required. 'T' -- Temperature. The additional information is a storage temperature. 'B' -- The additional information requires both a phrase and a temperature.
LOOKUP_TYPE	NULL	VARCHAR2(30)	Not Used
LOOKUP_CODE	NULL	VARCHAR2(30)	Not Used
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Standard Flex Field
ATTRIBUTE1	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE2	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE3	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE4	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE5	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE6	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE7	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE8	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE9	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE10	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE11	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE12	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE13	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE14	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE15	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE16	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE17	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE18	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE19	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE20	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE21	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE22	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE23	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE24	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE25	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE26	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE27	NULL	VARCHAR2(240)	Standard Flex Field

ATTRIBUTE28	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE29	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE30	NULL	VARCHAR2(240)	Standard Flex Field
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_RISK_PHRASES_B_PK	UNIQUE	5	RISK_PHRASE_CODE

# GR\_RISK\_PHRASES\_TL

Stores the code and name of acceptable phrases in multiple languages.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
RISK_DESCRIPTION	NOT NULL	VARCHAR2(240)	The risk phrase description.
CREATED_BY	NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NULL	DATE	Standard Who column
LAST_UPDATED_BY	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_RISK_PHRASES_TL_N1	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_RISK_PHRASES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_RISK_PHRASES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_RISK_PHRASES_TL_PK	UNIQUE	5	RISK_PHRASE_CODE
		10	LANGUAGE



## GR\_SAFETY\_CATEGORIES\_B

The safety category code that is used in the European classification process.

### Column Descriptions

Name	Null	Type	Description
SAFETY_CATEGORY_CODE	(PK) NOT NULL	VARCHAR2(3)	The Safety Category Code assigned to the safety category text.
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_CATEGORIES_B_PK	NOT UNIQUE	5	SAFETY_CATEGORY_CODE

# GR\_SAFETY\_CATEGORIES\_TL

Stores the safety category code in multiple languages.

Column Descriptions

Name	Null	Type	Description
SAFETY_CATEGORY_CODE (PK)	NOT NULL	VARCHAR2(3)	The Safety Category Code assigned to the safety category text.
SAFETY_CATEGORY_DESCRIPTION	NOT NULL	VARCHAR2(240)	The safety phrase description.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language Code.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_CATEGORIES_TL_PK	NOT UNIQUE	1	SAFETY_CATEGORY_CODE
		2	LANGUAGE

## GR\_SAFETY\_COMBINATIONS

Contains the Group and Sequence information for combining multiple Safety Phrase Codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_SAFETY_PHRASES_B	SAFETY_PHRASE_CODE	SAFETY_PHRASE_CODE
GR_SAFETY_PHRASES_B	SAFETY_PHRASE_CODE	SAFETY_PHRASE_CODE_COMBO

### Column Descriptions

Name	Null	Type	Description
COMBINATION_SEQUENCE_NUMBER	(PK)NOT NULL	NUMBER	The Regulatory module assigns the sequence number for displaying or printing the Safety Phrase(s) on the document.
SAFETY_PHRASE_CODE	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to safety phrase text.
COMBINATION_GROUP_NUMBER	NOT NULL	NUMBER(15)	The Safety Phrase Combination Group Number. Safety Phrase Codes can be combined to form sets groups. For example, S7/8, S7/9, and S7/47 are three Safety Combination Groups.
SAFETY_PHRASE_CODE_COMBO	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to safety phrase text.
DISPLAY_ORDER	NOT NULL	NUMBER(15)	A Display Order value to arrange the combined Safety Phrase Codes in as required. For example, S1 and S2 should be displayed as S1/2 not S2/1.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_COMBINATIONS_N1	NOT UNIQUE	1	SAFETY_PHRASE_CODE
GR_SAFETY_COMBINATIONS_N2	NOT UNIQUE	1	SAFETY_PHRASE_CODE_COMBO
GR_SAFETY_COMBINATIONS_PK	UNIQUE	5	COMBINATION_SEQUENCE_NUMBER

### Sequences

Sequence	Derived Column
GR_SAFETY_COMBINATIONS_S	COMBINATION_SEQUENCE_NUMBER

## GR\_SAFETY\_PHRASES\_B

Stores the code and name of acceptable phrases in multiple languages.

### Column Descriptions

Name	Null	Type	Description
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to a safety phrase text.
ADDITIONAL_TEXT_TYPE	NOT NULL	VARCHAR2(1)	This is an indicator value of what type of additional text is required for this safety phrase.
LOOKUP_TYPE	NULL	VARCHAR2(30)	Not used
LOOKUP_CODE	NULL	VARCHAR2(30)	Not used
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Standard Flex Field
ATTRIBUTE1	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE2	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE3	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE4	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE5	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE6	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE7	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE9	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE8	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE10	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE11	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE12	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE13	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE14	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE15	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE16	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE17	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE18	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE19	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE20	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE21	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE22	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE23	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE24	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE25	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE26	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE27	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE28	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE29	NULL	VARCHAR2(240)	Standard Flex Field
ATTRIBUTE30	NULL	VARCHAR2(240)	Standard Flex Field
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

*Indexes*

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_PHRASES_B_PK	UNIQUE	5	SAFETY_PHRASE_CODE

# GR\_SAFETY\_PHRASES\_TL

Stores the code and name of acceptable phrases in multiple languages.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_SAFETY_PHRASES_B	SAFETY_PHRASE_CODE	SAFETY_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to a safety phrase text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
SAFETY_PHRASE_DESCRIPTION	NOT NULL	VARCHAR2(240)	The safety phrase description.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_PHRASES_TL_N1	NOT UNIQUE	1	SAFETY_PHRASE_CODE
GR_SAFETY_PHRASES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_SAFETY_PHRASES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_SAFETY_PHRASES_TL_PK	UNIQUE	5	SAFETY_PHRASE_CODE
		10	LANGUAGE

## GR\_SAFETY\_RULES

Because of the complexity and volume of information stored in this table there will be no maintenance program provided to the user. Changes will typically be made using uploaded PL/SQL scripts.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_SAFETY_CATEGORIES_B	SAFETY_CATEGORY_CODE	SAFETY_CATEGORY_CODE
GR_SAFETY_PHRASES_B	SAFETY_PHRASE_CODE	SAFETY_PHRASE_CODE

### Column Descriptions

Name	Null	Type	Description
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The safety phrase code that is assigned to safety phrase text.
SAFETY_RULE_LEVEL (PK)	NOT NULL	VARCHAR2(1)	The levels within a meaningful set. There are only two levels used for this design.
SAFETY_RULE_GROUP (PK)	NOT NULL	VARCHAR2(2)	Properties, characteristics or conditions logically grouped into meaningful sets.
SAFETY_CATEGORY_CODE (PK)	NOT NULL	VARCHAR2(3)	A code for the different properties, characteristics or conditions.
RECOMMENDED_OBLIGATORY_IND	NOT NULL	VARCHAR2(1)	A safety phrase is either obligatory or recommended. This is the field that contains the coded valid types of O for obligatory or R for recommended. R is the default. If a safety phrase criteria does not mention obligatory or recommended specifically, it is assumed that the phrase is recommended.
CATEGORY_VALUE	NOT NULL	VARCHAR2(240)	The actual stored value of a property, characteristic or condition of an item that will be tested in order to determine if a safety phrase will be applied.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SAFETY_RULES_N1	NOT UNIQUE	1	SAFETY_PHRASE_CODE
GR_SAFETY_RULES_N2	NOT UNIQUE	1	SAFETY_CATEGORY_CODE
GR_SAFETY_RULES_PK	UNIQUE	5	SAFETY_PHRASE_CODE
		10	SAFETY_RULE_LEVEL
		15	SAFETY_RULE_GROUP
		20	SAFETY_CATEGORY_CODE

GR\_SELECTION

Contains a table which holds the information for which document is to be printed from the Sales Order Processing information.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_SELECTION_HEADER	BATCH_NO	BATCH_NO

Column Descriptions

Name	Null	Type	Description
BATCH_NO (PK)	NOT NULL	NUMBER	Contains the Batch Number for the document which is to be printed after selection from the Sales Order Processing information.
ORDER_NO (PK)	NOT NULL	NUMBER(10)	Contains the order number of the document to be printed.
ORDER_LINE_NUMBER (PK)	NOT NULL	NUMBER	Contains the Order Line Number of the document to be printed.
LINE_STATUS	NOT NULL	NUMBER(5)	Contains the status of the document to be printed. The valid values are Selected, Not Selected, In Progress, Printed, and Updated.
DOCUMENT_CODE	NULL	VARCHAR2(10)	The document type that the user has selected to print.
PRINT_FLAG	NOT NULL	VARCHAR2(1)	Contains the information as to whether or not the user wishes to actually print the document for this particular item.
USER_ID	NOT NULL	NUMBER(15)	Contains the User Id for the user who does a User Override.
ITEM_CODE	NOT NULL	VARCHAR2(32)	Contains the Item Number for which the document will be printed.
RECIPIENT_CODE	NOT NULL	VARCHAR2(32)	Contains the Code for the Recipient who will be receiving the order.
SHIPMENT_NO	NULL	VARCHAR2(32)	Contains the Number of the Shipment that the document will be printed for.
MESSAGE	NULL	VARCHAR2(2000)	Contains any information that should be added.
USER_OVERRIDE	NULL	VARCHAR2(1)	Contains information as to whether or not there was a user override.
DATE_MSDS_SENT	NULL	DATE	Contains the information as to when the MSDS was sent.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_SELECTION_PK	UNIQUE	5	BATCH_NO
		10	ORDER_NO
		15	ORDER_LINE_NUMBER



## GR\_SELECTION\_HEADER

Contains all the selection criteria for printing documents from Sales Orders that have been taken and/or shipped.

### Column Descriptions

Name	Null	Type	Description
BATCH_NO (PK)	NOT NULL	NUMBER	Contains an assigned number which will serve as identification.
STATUS	NOT NULL	NUMBER(5)	Contains the status of the document to be printed. The valid values are Entered, Selected, In Progress, Restart, Printed, Rerun, Update in Progress, Updated and Voided.
USER_ID	NOT NULL	NUMBER(15)	Contains the User Id of the user who makes the request.
DOCUMENT_CODE	NULL	VARCHAR2(10)	Contains the type of document that the user wishes to print.
ORDER_FROM	NULL	NUMBER(10)	Contains the Initial Order Number to look at.
ORDER_TO	NULL	NUMBER(10)	Contains the last Order Number to look at.
SHIPMENT_FROM	NULL	NUMBER(10)	Contains the first Shipment Number to look at.
SHIPMENT_TO	NULL	NUMBER(10)	Contains the last Shipment Number to look at.
SHIPMENT_DATE_FROM	NULL	DATE	Contains the initial Shipment Date to look at.
SHIPMENT_DATE_TO	NULL	DATE	Contains the last Shipment Date to look at.
TERRITORY_CODE	NOT NULL	VARCHAR2(4)	Territory code used for printing.
ORGN_CODE	NOT NULL	VARCHAR2(4)	Organization code used for printing.
WHSE_CODE	NOT NULL	VARCHAR2(4)	Warehouse code used for printing.

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SELECTION_HEADER_PK	UNIQUE	5	BATCH_NO

### Sequences

Sequence	Derived Column
GR_BATCH_S	BATCH_NO

# GR\_SOURCE\_RISKS

Contains the Risk Phrases that are applied based on the ingredient.

Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
GR_EUROHAZARDS_B	HAZARD_CLASSIFICATION_CODE	HAZARD_CLASSIFICATION_CODE
GR_RISK_PHRASES_B	RISK_PHRASE_CODE	RISK_PHRASE_CODE

Column Descriptions

Name	Null	Type	Description
HAZARD_CLASSIFICATION_CODE	(PK)NOT NULL	VARCHAR2(2)	The European Hazard Classification code.
RISK_PHRASE_CODE	(PK) NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_SOURCE_RISKS_N1	NOT UNIQUE	1	HAZARD_CLASSIFICATION_CODE
GR_SOURCE_RISKS_N2	NOT UNIQUE	1	RISK_PHRASE_CODE
GR_SOURCE_RISKS_PK	UNIQUE	5	HAZARD_CLASSIFICATION_CODE
		10	RISK_PHRASE_CODE

## GR\_SPHRASE\_CONFLICTS

Contains the safety phrases that when combined would conflict and the safety phrase that should be applied in the situation.

### Column Descriptions

Name	Null	Type	Description
SAFETY_PHRASE_CODE_LOW	(PK)NOT NULL	VARCHAR2(15)	Conflicting low value safety phrase code.
SAFETY_PHRASE_CODE_HIGH	(PK)NOT NULL	VARCHAR2(15)	Conflicting high value safety phrase code.
USE_SAFETY_PHRASE_CODE	(PK)NOT NULL	VARCHAR2(15)	The safety phrase code that should be applied to resolve the conflict.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SPHRASE_CONFLICTS_PK	NOT UNIQUE	1	SAFETY_PHRASE_CODE_LOW
		2	SAFETY_PHRASE_CODE_HIGH
		3	USE_SAFETY_PHRASE_CODE

# GR\_SUB\_HEADINGS\_B

Contains the Sub Heading Code for the sub heading text.

Column Descriptions

Name	Null	Type	Description
SUB_HEADING_CODE (PK)	NOT NULL	VARCHAR2(10)	The Sub Heading Code for the sub heading text.
SUB_HEADING_PRINT_FONT	NULL	VARCHAR2(3)	The font information for the subheading.
SUB_HEADING_PRINT_SIZE	NULL	NUMBER(2)	The font size information for the subheading.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_SUB_HEADINGS_B_PK	UNIQUE	5	SUB_HEADING_CODE

## GR\_SUB\_HEADINGS\_TL

### The Sub Heading Description.

#### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_SUB_HEADINGS_B	SUB_HEADING_CODE	SUB_HEADING_CODE

#### Column Descriptions

Name	Null	Type	Description
SUB_HEADING_CODE (PK)	NOT NULL	VARCHAR2(10)	The Sub Heading Code for the sub heading text.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
SUB_HEADING_DESC	NOT NULL	VARCHAR2(240)	The Sub Heading Description in the required languages.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

#### Indexes

Index Name	Index Type	Sequence	Column Name
GR_SUB_HEADINGS_TL_N1	NOT UNIQUE	1	SUB_HEADING_CODE
GR_SUB_HEADINGS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_SUB_HEADINGS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_SUB_HEADINGS_TL_PK	UNIQUE	5	SUB_HEADING_CODE
		10	LANGUAGE

GR\_TOXIC\_EFFECTS\_B

This entity stores, by language, the standard observed toxic effects. The 3 character code is based on those used in Sax’s Properties of Dangerous Goods. The table is seeded with the standard codes.

Column Descriptions

Name		Null	Type	Description
TOXIC_EFFECT_CODE	(PK)	NOT NULL	VARCHAR2(3)	The three character code that links to the description of the toxic effects.
CREATED_BY		NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE		NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY		NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE		NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN		NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_EFFECTS_B_PK	UNIQUE	5	TOXIC_EFFECT_CODE

## GR\_TOXIC\_EFFECTS\_TL

This entity stores, by language, the standard observed toxic effects. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_TOXIC_EFFECTS_B	TOXIC_EFFECT_CODE	TOXIC_EFFECT_CODE

### Column Descriptions

Name	Null	Type	Description
TOXIC_EFFECT_CODE (PK)	NOT NULL	VARCHAR2(3)	The three character code that links to the description of the toxic effects.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	The two character code which is assigned for each language in which the data sheets will be created.
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The two character code which is assigned for each language in which the data sheets will be created.
TOXIC_EFFECT_DESCRIPTION	NOT NULL	VARCHAR2(240)	Toxic Effect Description
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_EFFECTS_TL_N1	NOT UNIQUE	1	TOXIC_EFFECT_CODE
GR_TOXIC_EFFECTS_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_TOXIC_EFFECTS_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_TOXIC_EFFECTS_TL_PK	UNIQUE	5	TOXIC_EFFECT_CODE
		10	LANGUAGE

# GR\_TOXIC\_ROUTES\_B

This entity stores, by language, the description of the route of administration for the toxicity test. The 3 character code is based on those used in Sax’s Properties of Dangerous Goods. The table is seeded with the standard codes.

Column Descriptions

Name	Null	Type	Description
TOXIC_ROUTE_CODE (PK)	NOT NULL	VARCHAR2(3)	The code defining the route of administration. It is a 3 character code. A typical example would be IAL for intraaural.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_ROUTES_B_PK	UNIQUE	5	TOXIC_ROUTE_CODE



## GR\_TOXIC\_ROUTES\_TL

This entity stores, by language, the standard observed toxic routes. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_TOXIC_ROUTES_B	TOXIC_ROUTE_CODE	TOXIC_ROUTE_CODE

### Column Descriptions

Name	Null	Type	Description
TOXIC_ROUTE_CODE (PK)	NOT NULL	VARCHAR2(3)	The code defining the route of administration. It is a 3 character code. A typical example would be IAL for intraaural.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
TOXIC_ROUTE_DESC	NOT NULL	VARCHAR2(240)	Toxic route description
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_ROUTES_TL_N1	NOT UNIQUE	1	TOXIC_ROUTE_CODE
GR_TOXIC_ROUTES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_TOXIC_ROUTES_TL_N3	NOT UNIQUE	5	SOURCE_LANG
GR_TOXIC_ROUTES_TL_PK	UNIQUE	5	TOXIC_ROUTE_CODE
		10	LANGUAGE

GR\_TOXIC\_SPECIES\_B

This entity stores, by language, the standard codes and descriptions for animal species used in testing. The 3 character code is based on those used in Sax’s Properties of Dangerous Goods. The table is seeded with the standard codes.

Column Descriptions

Name		Null	Type	Description
TOXIC_SPECIES_CODE	(PK)	NOT NULL	VARCHAR2(3)	The three character code referring to the species used in the toxicity testing. A typical example would be CHK for Chicken.
CREATED_BY		NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE		NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY		NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE		NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN		NULL	NUMBER(15)	Standard Who column

Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_SPECIES_B_PK	UNIQUE	5	TOXIC_SPECIES_CODE

## GR\_TOXIC\_SPECIES\_TL

This entity stores, by language, the standard codes and descriptions for animal species used in testing. The 3 character code is based on those used in Sax's Properties of Dangerous Goods. The table is seeded with the standard codes.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
FND_LANGUAGES	LANGUAGE_CODE	LANGUAGE
FND_LANGUAGES	LANGUAGE_CODE	SOURCE_LANG
GR_TOXIC_SPECIES_B	TOXIC_SPECIES_CODE	TOXIC_SPECIES_CODE

### Column Descriptions

Name	Null	Type	Description
TOXIC_SPECIES_CODE (PK)	NOT NULL	VARCHAR2(3)	The three character code referring to the species used in the toxicity testing. A typical example would be CHK for Chicken.
LANGUAGE (PK)	NOT NULL	VARCHAR2(4)	Language code
SOURCE_LANG	NOT NULL	VARCHAR2(4)	The Language the text will mirror. If text is not yet translated into LANGUAGE then any changes to the text in the source language row will be reflected here as well.
TOXIC_SPECIES_DESC	NOT NULL	VARCHAR2(240)	The description of the toxic species code.
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_TOXIC_SPECIES_TL_N1	NOT UNIQUE	1	TOXIC_SPECIES_CODE
GR_TOXIC_SPECIES_TL_N2	NOT UNIQUE	1	LANGUAGE
GR_TOXIC_SPECIES_TL_N3	NOT UNIQUE	1	SOURCE_LANG
GR_TOXIC_SPECIES_TL_PK	UNIQUE	5	TOXIC_SPECIES_CODE
		10	LANGUAGE

# GR\_WORK\_ADDITIVES

Contains a temporary table used during the document build process.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER(8)	The display order
CALCULATION_ID	NOT NULL	VARCHAR2(2)	ID Number associated with the calculation
HAZARD_CLASSIFICATION_CODE	NOT NULL	VARCHAR2(2)	The European Hazard Classification code.
RATIO_COMPARISON	NOT NULL	NUMBER(8)	The Regulatory module adds all ingredients within the same Calculation ID, and if the total is greater than the ratio comparison, the total is then used to assign the hazard classification.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_ADDITIVES_PK	UNIQUE	5	SESSION_ID
		10	SEQUENCE_NUMBER

Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

## GR\_WORK\_ADDITIVE\_RISKS

Contains a temporary table used during the document build process.

### Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_ADDITIVE_RISKS_PK	UNIQUE	5	SESSION_ID
		10	RISK_PHRASE_CODE

### Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

# GR\_WORK\_BUILD\_DOCS

Contains a temporary table used during the document build process.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER	Display order
DOCUMENT_CODE	NOT NULL	VARCHAR2(10)	Document Code
MAIN_HEADING_CODE	NOT NULL	VARCHAR2(10)	The Main Heading Code where the heading text is located.
MAIN_DISPLAY_ORDER	NOT NULL	NUMBER(15)	Main Heading display order
SUB_HEADING_CODE	NULL	VARCHAR2(10)	The Sub Heading Code where the heading text is located.
SUB_DISPLAY_ORDER	NULL	NUMBER(15)	Sub Heading Display Order
RECORD_TYPE	NOT NULL	VARCHAR2(1)	Record Type
LABEL_OR_PHRASE_CODE	NULL	VARCHAR2(10)	The Code can be used in the Regulatory module to reference the label information or the phrase information for the Item .
CONCENTRATION_PERCENT	NOT NULL	NUMBER(15,6)	The percentage concentration of the finished product.
LABEL_CLASS	NULL	VARCHAR2(20)	The label class for the item.
PHRASE_HIERARCHY	NULL	NUMBER(6)	The Phrase Heirarchy for the phrase on the document if it conflicts with another phrase. When 2 phrase codes have the same Hierarchy Type, the phrase with the higher Hierarchy Code will take precedence and display or print on the document.
PHRASE_TYPE	NULL	VARCHAR2(10)	Phrase Type
PRINT_FLAG	NOT NULL	VARCHAR2(1)	Print Flag
SOURCE_ITEMCODE	NOT NULL	VARCHAR2(32)	The Source Item Code for which source item text is located.
STRUCTURE_DISPLAY_ORDER	NULL	NUMBER(15)	Structure Display Order

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_BUILD_DOCS_PK	UNIQUE	5	SESSION_ID
		10	SEQUENCE_NUMBER

Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID
GR_WORK_BUILD_DOCS_S	SEQUENCE_NUMBER

## GR\_WORK\_CLASSNS

Contains a temporary table used during the document build process.

### Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
HAZARD_CLASSIFICATION_CODE (PK)	NOT NULL	VARCHAR2(2)	The European Hazard Classification code.
HAZARD_GROUP_CODE	NOT NULL	VARCHAR2(20)	The hazard group code
CALCULATION_HIERARCHY	NOT NULL	NUMBER(8)	The hierarchy of the calculations

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_CLASSNS_PK	UNIQUE	5	SESSION_ID
		10	HAZARD_CLASSIFICATION_CODE

### Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

# GR\_WORK\_CLASSN\_RISKS

Contains a temporary table used during the document build process.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
HAZARD_CLASSIFICATION_CODE (PK)	NOT NULL	VARCHAR2(2)	The European Hazard Classification code
RISK_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	The risk phrase code that is assigned to the risk phrase text.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_CLASSN_RISKS_PK	UNIQUE	5	SESSION_ID
		10	HAZARD_CLASSIFICATION_CODE
		15	RISK_PHRASE_CODE

Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID



## GR\_WORK\_COUNTRY

Contains a temporary table used during the heavy element build process.

### Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The item code
ALPHA_VALUE	NOT NULL	VARCHAR2(240)	The alpha value
PROPERTY_ID	NOT NULL	VARCHAR2(6)	The property id
LABEL_CODE	NOT NULL	VARCHAR2(5)	Label code
SEQ_NUMBER	NOT NULL	NUMBER(8)	Display order
INGREDIENT_ITEM_CODE	NOT NULL	VARCHAR2(32)	Ingredient item code

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_COUNTRY_PK	UNIQUE	5	ITEM_CODE
		10	SESSION_ID

### Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

# GR\_WORK\_HEAVY\_ELEMENTS

Contains a temporary table used during the heavy element build process.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	The item code
NUMERIC_VALUE	NOT NULL	NUMBER(15,6)	The numeric value
PROPERTY_ID	NOT NULL	VARCHAR2(6)	The property id
LABEL_CODE	NOT NULL	VARCHAR2(5)	Label code
SEQ_NUMBER	NOT NULL	NUMBER(8)	Display order
INGREDIENT_ITEM_CODE	NOT NULL	VARCHAR2(32)	Ingredient item code

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_HEAVY_ELEMENTS_PK	UNIQUE	5	ITEM_CODE
		10	SESSION_ID

Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

## GR\_WORK\_INGRED\_CONCS

Contains a temporary table used during the document build process.

### Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
SEQUENCE_NUMBER (PK)	NOT NULL	NUMBER(8)	The display order
ITEM_CODE	NOT NULL	VARCHAR2(32)	The item code
CONCENTRATION_PERCENTAGE	NOT NULL	NUMBER(15,6)	The concentration percentage
FORMULA_LEVEL_CODE	NOT NULL	NUMBER(8)	The formula level code

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_INGRED_CONCS_PK	UNIQUE	5	SESSION_ID
		10	SEQUENCE_NUMBER

### Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

# GR\_WORK\_SAFETY\_CATEGORY

Contains a temporary table used during the document build process.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	Safety phrase code
SAFETY_RULE_GROUP (PK)	NOT NULL	VARCHAR2(15)	Properties, characteristics or conditions logically grouped into meaningful sets.
SAFETY_CATEGORY_CODE (PK)	NOT NULL	VARCHAR2(3)	A code for the different properties, characteristics or conditions.
CATEGORY_VALUE	NOT NULL	VARCHAR2(20)	The actual stored value of a property, characteristic or condition of an item that will be tested in order to determine if a safety phrase will be applied.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_SAFETY_CATEGORY_PK	UNIQUE	5	SESSION_ID
		10	SAFETY_PHRASE_CODE
		15	SAFETY_RULE_GROUP
		20	SAFETY_CATEGORY_CODE

Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

## GR\_WORK\_SAFETY\_PHRASES

Contains a temporary table used during the document build process.

### Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate key
SAFETY_PHRASE_CODE (PK)	NOT NULL	VARCHAR2(15)	Safety phrase code
SAFETY_RULE_LEVEL (PK)	NOT NULL	NUMBER(1)	The levels within a meaningful set. There are only two levels used for this design.
SAFETY_RULE_GROUP (PK)	NOT NULL	VARCHAR2(2)	Properties, characteristics or conditions logically grouped into meaningful sets.
SAFETY_CATEGORY_CODE (PK)	NOT NULL	VARCHAR2(3)	A code for the different properties, characteristics or conditions.
CATEGORY_VALUE	NOT NULL	VARCHAR2(240)	The actual stored value of a property, characteristic or condition of an item that will be tested in order to determine if a safety phrase will be applied.
RECOMMENDED_OBLIGATORY_IND	NOT NULL	VARCHAR2(1)	A safety phrase is either obligatory or recommended. This is the field that contains the coded valid types of O for obligatory or R for recommended. R is the default. If a safety phrase criteria does not mention obligatory or recommended specifically, it is assumed that the phrase is recommended.
ASSIGN_FLAG	NOT NULL	VARCHAR2(1)	Assign the safety phrase flag.

### Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_SAFETY_PHRASES_PK	UNIQUE	5	SESSION_ID
		10	SAFETY_PHRASE_CODE
		15	SAFETY_RULE_LEVEL
		20	SAFETY_RULE_GROUP
		25	SAFETY_CATEGORY_CODE

### Sequences

Sequence	Derived Column
GR_BATCH_S	SESSION_ID

# GR\_WORK\_WORKSHEETS

Work table for printing worksheets.

Column Descriptions

Name	Null	Type	Description
SESSION_ID (PK)	NOT NULL	NUMBER	Surrogate Key
TEXT_LINE_NUMBER (PK)	NOT NULL	NUMBER	Line Number
ITEM_CODE (PK)	NOT NULL	VARCHAR2(32)	Item Code
PRINT_FONT	NULL	VARCHAR2(3)	Print font that will be used in the document.
TEXT_LINE	NULL	VARCHAR2(240)	Information to print.
PRINT_SIZE	NULL	NUMBER(2)	Print size that will be used in the document.

Indexes

Index Name	Index Type	Sequence	Column Name
GR_WORK_WORKSHEETS_PK	NOT UNIQUE	1	SESSION_ID
		2	TEXT_LINE_NUMBER
		3	ITEM_CODE

## IC\_ITEM\_MST

This is the Item definition table. It contains all information relating to an item, such as lot/sublot control, unit of measure information, and all class and type designations.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
CR_SQDT_CLS	SEQ_DPND_CLASS	SEQ_DPND_CLASS
IC_ALLC_CLS	ALLOC_CLASS	ALLOC_CLASS
IC_COMD_CDS	COMMODITY_CODE	COMMODITY_CODE
IC_COST_CLS	ITEMCOST_CLASS	ITEMCOST_CLASS
IC_CTMS_CLS	ICCUSTOMS_CLASS	CUSTOMS_CLASS
IC_FRGT_CLS	ICFRT_CLASS	FRT_CLASS
IC_GLED_CLS	ICGL_CLASS	GL_CLASS
IC_INVN_CLS	ICINV_CLASS	INV_CLASS
IC_INVN_TYP	INV_TYPE	INV_TYPE
IC_ITEM_MST	ITEM_ID	WHSE_ITEM_ID
IC_ITEM_MST	ITEM_ID	BULK_ID
IC_ITEM_MST	ITEM_ID	QCITEM_ID
IC_LOTS_STS	LOT_STATUS	LOT_STATUS
IC_PKGS_MST	PKG_ID	PKG_ID
IC_PRCE_CLS	ICPRICE_CLASS	PRICE_CLASS
IC_PRCH_CLS	ICPURCH_CLASS	PURCH_CLASS
IC_SALE_CLS	ICSALES_CLASS	SALES_CLASS
IC_SHIP_CLS	ICSHIP_CLASS	SHIP_CLASS
IC_STOR_CLS	ICSTORAGE_CLASS	STORAGE_CLASS
IC_TAXN_CLS	ICTAX_CLASS	TAX_CLASS
IC_TEXT_HDR	TEXT_CODE	TEXT_CODE
PS_PLNG_CLS	PLANNING_CLASS	PLANNING_CLASS
QC_ACTN_MST	ACTION_CODE	EXPACTION_CODE
QC_GRAD_MST	QC_GRADE	QC_GRADE
QC_HRES_MST	QCHOLD_RES_CODE	QCHOLD_RES_CODE
SY_UOMS_MST	UM_CODE	FILL_UM
SY_UOMS_MST	UM_CODE	ITEM_UM
SY_UOMS_MST	UM_CODE	ITEM_UM2

### Column Descriptions

Name	Null	Type	Description
ITEM_ID (PK)	NOT NULL	NUMBER(10)	Surrogate key for the item.
ITEM_NO	NOT NULL	VARCHAR2(32)	Name of the item.
ITEM_DESC1	NOT NULL	VARCHAR2(70)	Short description of the item that is displayed during the item look up.
ITEM_DESC2	NULL	VARCHAR2(70)	Short description of the item that is not displayed during the item look up.
ALT_ITEMA	NULL	VARCHAR2(32)	Alternate name for the item.
ALT_ITEMB	NULL	VARCHAR2(32)	Second alternate name for the item.
ITEM_UM	NOT NULL	VARCHAR2(4)	Uom of the item by which the inventory balances

DUALUM_IND	NOT NULL	NUMBER(5)	are maintained. Dual unit of measure indicator. 0=Single UOM control, 1=Fixed relationship dual UOM control, 2=Variable relationship dual UOM control with default conversion displayed, 3= Variable relationship dual UOM control with default conversion not
ITEM_UM2	NULL	VARCHAR2(4)	Second UOM for in which inventory balances are maintained, for dual UOM items.
DEVIATION_LO	NOT NULL	NUMBER	Factor defining the allowable deviation below the standard conversion for dual UOM items w/ dualum_ind=2 or 3.
DEVIATION_HI	NOT NULL	NUMBER	Factor defining the allowable deviation above the standard conversion for dual UOM items w/dualum_ind=2 or 3.
LEVEL_CODE	NULL	NUMBER(5)	Not currently used.
LOT_CTL	NOT NULL	NUMBER(5)	Lot control indicator. 0=Not lot controlled, 1=Lot controlled.
LOT_INDIVISIBLE	NOT NULL	NUMBER(5)	Indivisible indicator. 0=Lots are not indivisible (can be split), 1=Lots are indivisible (cannot be split).
SUBLOT_CTL	NOT NULL	NUMBER(5)	Sublot control indicator. 0=Not subplot controlled, 1=Sublot controlled. Used only if lot_ctl =1.
LOCT_CTL	NOT NULL	NUMBER(5)	Location control indicator. 0=Not location controlled, 1=Location controlled.
NONINV_IND	NOT NULL	NUMBER(5)	Noninventory indicator. 0=Not a noninventory item (inventory balances NONINV_IND = 0, Inventory Item. are maintained), 1=Noninventory item (inventory balances are not = 1, Non-Inventory Item. maintained).
MATCH_TYPE	NOT NULL	NUMBER(5)	Type of invoice matching done. Blank=No matching, 2=Two way matching, 3=Three way matching.
INACTIVE_IND	NOT NULL	NUMBER(5)	Inactive indicator. 0=Active, 1=Inactive.
INV_TYPE	NULL	VARCHAR2(4)	Inventory type. User defined.
SHELF_LIFE	NOT NULL	NUMBER	Shelf life. This number of days is added to lots of grade controlled items to calculate the expiration date.
RETEST_INTERVAL	NOT NULL	NUMBER	Number of days specifying how often grade controlled items should be retested.
GL_CLASS	NULL	VARCHAR2(8)	GL class for an item.
INV_CLASS	NULL	VARCHAR2(8)	Inventory class for an item.
SALES_CLASS	NULL	VARCHAR2(8)	Sales class for an item.
SHIP_CLASS	NULL	VARCHAR2(8)	Ship class for an item.
FRT_CLASS	NULL	VARCHAR2(8)	Freight class for an item.
PRICE_CLASS	NULL	VARCHAR2(8)	Price class for an item.
STORAGE_CLASS	NULL	VARCHAR2(8)	Storage class for an item.
PURCH_CLASS	NULL	VARCHAR2(8)	Purchase class for an item.
TAX_CLASS	NULL	VARCHAR2(8)	Tax class for an item.
CUSTOMS_CLASS	NULL	VARCHAR2(8)	Customs class for an item.
ALLOC_CLASS	NULL	VARCHAR2(8)	Allocation class for an item. Used for auto-allocation.
PLANNING_CLASS	NULL	VARCHAR2(8)	Planning class for an item. Used for MPS and MRP reporting.
ITEMCOST_CLASS	NULL	VARCHAR2(8)	Cost class for an item.



COST_MTHD_CODE	NULL	VARCHAR2(4)	Not currently used.
UPC_CODE	NULL	VARCHAR2(16)	Not currently used.
GRADE_CTL	NOT NULL	NUMBER(5)	Grade control indicator. 0=Not grade controlled, 1=Grade controlled.
STATUS_CTL	NOT NULL	NUMBER(5)	Status control indicator. 0=Not status controlled, 1=Status controlled.
QC_GRADE	NULL	VARCHAR2(4)	Default grade, for lots of grade controlled items.
LOT_STATUS	NULL	VARCHAR2(4)	Default status, for lots of status controlled items.
BULK_ID	NULL	NUMBER(10)	Not currently used.
PKG_ID	NULL	NUMBER(10)	Not currently used.
QCITEM_ID	NULL	NUMBER(10)	QC reference item.
QCHOLD_RES_CODE	NULL	VARCHAR2(4)	QC hold reason code.
EXPACTION_CODE	NULL	VARCHAR2(4)	Code for action to take when a lot expires.
FILL_QTY	NOT NULL	NUMBER	Not currently used.
FILL_UM	NULL	VARCHAR2(4)	Not currently used.
EXPACTION_INTERVAL	NOT NULL	NUMBER	Interval between time lot expires and time expaction_code action should be taken.
PHANTOM_TYPE	NOT NULL	NUMBER(5)	Not currently used.
WHSE_ITEM_ID	NOT NULL	NUMBER(10)	For sharing a common ps_whse_eff row.
EXPERIMENTAL_IND	NOT NULL	NUMBER(5)	Experimental indicator. 0=Unrestricted use item (not experimental); 1=Experimental item (cannot be used in FM or PM).
EXPORTED_DATE	NOT NULL	DATE	Date the item was exported to Oracle Financials.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
SEQ_DPND_CLASS	NULL	VARCHAR2(8)	Sequence dependent class.
COMMODITY_CODE	NULL	VARCHAR2(9)	reference code associated with a product class. Used for export/ importing among European countries.
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column
ATTRIBUTE1	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE2	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE3	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE4	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE5	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE6	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE7	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE8	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE9	NULL	VARCHAR2(240)	Descriptive Flexfield

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ATTRIBUTE10	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE11	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE12	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE13	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE14	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE15	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE16	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE17	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE18	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE19	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE20	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE21	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE22	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE23	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE24	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE25	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE26	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE27	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE28	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE29	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE30	NULL	VARCHAR2(240)	Descriptive Flexfield
ATTRIBUTE_CATEGORY	NULL	VARCHAR2(30)	Descriptive Flexfield
ITEM_ABCCODE	NULL	VARCHAR2(4)	ABC Code for the item.

Indexes

Index Name	Index Type	Sequence	Column Name
IC_ITEM_MST_PK	UNIQUE	10	ITEM_ID
IC_ITEM_MST_UNQ1	UNIQUE	10	ITEM_NO

Sequences

Sequence	Derived Column
GEM5_ITEM_ID_S	ITEM_ID

## SY\_ADDR\_MST

OPM Address master. Table which stores addresses for all Oracle Process Manufacturing applications entities.

### Column Descriptions

Name	Null	Type	Description
ADDR_ID	NOT NULL	NUMBER(10)	Surrogate id uniquely identifying an address.
ADDR1	NULL	VARCHAR2(70)	First line of the address.
ADDR2	NULL	VARCHAR2(70)	Second line of the address.
ADDR3	NULL	VARCHAR2(70)	Third line of the address.
ADDR4	NULL	VARCHAR2(70)	Fourth line of the address.
STATE_CODE	NULL	VARCHAR2(4)	State code of the address.
COUNTRY_CODE	NULL	VARCHAR2(4)	Country code of the address.
POSTAL_CODE	NULL	VARCHAR2(16)	Postal code of the address.
PSEUDO_KEY	NOT NULL	VARCHAR2(70)	Allows recreation of link to originating record in case of table corruption.
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
COMMENTS	NULL	VARCHAR2(40)	Comment Field - unused
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NULL	NUMBER(10)	Not currently used
ORA_ADDR4	NULL	VARCHAR2(70)	Address Line used for Oracle Financials Integration
PROVINCE	NULL	VARCHAR2(70)	Province code
COUNTY	NULL	VARCHAR2(70)	County code
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
PROGRAM_APPLICATION_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_ID	NULL	NUMBER(15)	Concurrent who column
PROGRAM_UPDATE_DATE	NULL	DATE	Concurrent who column
REQUEST_ID	NULL	NUMBER(15)	Concurrent who column

### Indexes

Index Name	Index Type	Sequence	Column Name
SY_ADDR_MST_PK	UNIQUE	10	ADDR_ID

### Sequences

Sequence	Derived Column
GEM5_ADDRESS_ID_S	ADDR_ID

## SY\_ORGN\_MST

Organization code (business unit) master for Oracle Process Manufacturing. Define organization codes and addresses here. This table is linked to HR\_ORGANIZATION\_UNITS by ORGANIZATION\_ID, where a one to one relationship exists. It also stores Resource Warehouse as used in the APS integration.

### Foreign Keys

Primary Key Table	Primary Key Column	Foreign Key Column
SY_ADDR_MST	ADDR_ID	ADDR_ID
SY_DOCS_SEQ	ORGN_CODE	SY_ORGN_MST_ORGN_CODE
ORGN_MST_DOC_TYPE		DOC_TYPE
SY_ORGN_MST	ORGN_CODE	CO_CODE
SY_ORGN_MST	ORGN_CODE	PARENT_ORGN_CODE
SY_TEXT_HDR	TEXT_CODE	TEXT_CODE
TX_TLOC_CDS	TAXLOC_CODE	TAXLOC_CODE

### Column Descriptions

Name	Null	Type	Description
ORGN_CODE (PK)	NOT NULL	VARCHAR2(4)	Organization code.
ORGN_NAME	NOT NULL	VARCHAR2(40)	Organization name.
PARENT_ORGN_CODE	NOT NULL	VARCHAR2(4)	Orgn to which orgn_code reports. Must already exist in the table.
CO_CODE	NOT NULL	VARCHAR2(4)	Company code of the organization.
PLANT_IND	NOT NULL	NUMBER(5)	0=no the organization is not a plant; 1=yes the organization is a plant.
ADDR_ID	NULL	NUMBER(10)	Surrogate of the organization address.
ORGANIZATION_ID	NOT NULL	NUMBER(15)	Foreign reference to HR_ORGANIZATION_UNITS
TAXLOC_CODE	NULL	VARCHAR2(10)	Tax Location Code for this organization (FK to TX_TLOC_CDS)
TEXT_CODE	NULL	NUMBER(10)	ID which joins any rows of text in this table to the Text Table for this Module
DELETE_MARK	NOT NULL	NUMBER(5)	Standard: 0=Active record (default); 1=Marked for (logical) deletion.
TRANS_CNT	NOT NULL	NUMBER(10)	Not currently used
POC_IND	NOT NULL	NUMBER(5)	0=Do not generate POC transactions for organization; 1=Generate POC transactions for organization
CREATION_DATE	NOT NULL	DATE	Standard Who column
CREATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_DATE	NOT NULL	DATE	Standard Who column
LAST_UPDATED_BY	NOT NULL	NUMBER(15)	Standard Who column
LAST_UPDATE_LOGIN	NULL	NUMBER(15)	Standard Who column
RESOURCE_WHSE_CODE	NULL	VARCHAR2(4)	Resource warehouse code associated to Plants
SY_ORGN_MST_ORGN_CODE	NOT NULL	VARCHAR2(4)	
SY_ORGN_MST_DOC_TYPE	NOT NULL	VARCHAR2(4)	

*Indexes*

Index Name	Index Type	Sequence	Column Name
SY_ORGN_MST_PK	UNIQUE	10	ORGN_CODE
SY_ORGN_MST_U1	UNIQUE	10	ORGANIZATION_ID



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