

toxvaldbstage

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Type Package

Title Builds the ToxValDB V9.5 Stage Database

Version 9.5

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Description

ToxValDB is a database containing quantitative records from in vivo toxicology studies from many sources. The database has 2 main parts - toxval_source containing source data in separate tables, and the main toxval schema which combines data from multiple sources into a single format. This project moves data from toxval_source to toxval. Data is read from files or other databases into toxval_source and then pulled into toxval where terms are converted to standard values. The ToxValDB SOPs describe in more detail how to run the code. This version is setup to build ToxValDB v9.5

Imports

DBI,
RMySQL,
openxlsx,
dplyr,
tidyr,
stringr,
tibble,
janitor,
XML,
miniUI,
RCurl,
gsubfn,
textclean,
RPostgreSQL,
data.table,
digest,
httr,
jsonlite,
magrittr,
methods,
purrr,
readr,
readxl,
stringi,

tidyselect,
 writexl
License MIT + file LICENSE
Encoding UTF-8
LazyData true
RoxygenNote 7.3.1
Suggests knitr,
 rmarkdown
VignetteBuilder knitr

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cas_checkSum	<i>cas_checkSum</i>
--------------	---------------------

Description

Check CAS RN validity via checksum method

For a suspected CAS RN, determine validity by calculating final digit checksum

Usage

```
cas_checkSum(x, checkLEN = TRUE)
```

Arguments

x	chr. Input vector of values to check. Standard CAS notation using hyphens is fine, as #' all non-digit characters are stripped for checksum calculation. Each element of <i>x</i> should contain #' only one suspected CAS RN to check.
checkLEN	logi. Should the function check that the non-digit characters of <i>x</i> are at least 4, but no #' more than 10 digits long? Defaults to TRUE. #'

Details

This function performs a very specific type of check for CAS validity, namely whether the final digit checksum follows the CAS standard. By default, it also ensures that the digit length is compatible with CAS standards. It does nothing more.

This means that there is no check for valid CAS format. Use the [cas_detect](#) function to check CAS format beforehand, or write your own function if necessary.

Value

A logical vector of length *x* denoting whether each *x* is a valid CAS by the checksum method. NA input values will remain NA.

Note

This is a vectorized, reasonably high-performance version of the [is.cas](#) function found in the [webchem](#) package. The functionality encompasses only the actual checksum checking of `webchem::is.cas`; as mentioned in details, use [cas_detect](#) to recreate the CAS format + checksum checking in `webchem::is.cas`. See examples.

Short of looking up against the CAS registry, there is no way to be absolutely sure that even inputs that pass the checksum test are actually registered CAS RNs. The short digit length of CAS IDs combined with the modulo 10 single- digit checksum means that even within a set of randomly generated validly-formatted CAS entities, ~10% will pass checksum.

See Also

[str_detect](#), [str_pad](#)

Examples

```
cas_good <- c("71-43-2", "18323-44-9", "7732-18-5") #benzene, clindamycin, water
cas_bad  <- c("61-43-2", "18323-40-9", "7732-18-4") #single digit change from good
cas_checkSum(c(cas_good, cas_bad))
```

chem.check.v2

*chem.check.v2***Description**

Check the chemicals from a file Names with special characters are cleaned and trimmed CASRN are fixed (dashes put in, trimmed) and check sums are calculated The output is sent to a file called chemcheck.xlsx in the source data file One option for using this is to edit the source file until no errors are found

Usage

```
chem.check.v2(res0, source = NULL, verbose = FALSE)
```

Arguments

res0	The data frame in which chemicals names and CASRN will be replaced
source	The source to be processed. If source=NULL, process all sources
verbose	If TRUE, print diagnostic messages

Details

DETAILS

Value

Return a list with fixed CASRN and name and flags indicating if fixes were made: res0=res0,name.OK=name.OK,casrn.O

See Also

```
[stri_escape_unicode][stringi::stri_escape_unicode] [str_replace_all][stringr::str_replace_all], [str_squish][stringr::str_squish],
[rowwise][dplyr::rowwise], [mutate][dplyr::mutate], [ungroup][dplyr::ungroup], [filter][dplyr::filter],
[select][dplyr::select], [rename][dplyr::rename], [distinct][dplyr::distinct] [separate][tidyr::separate]
[write_xlsx][writexl::write_xlsx]
```

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

`clean.last.character` *clean.last.character*

Description

Clean unneeded characters from the end of a string

Usage

`clean.last.character(x)`

Arguments

`x` String to be cleaned

Details

DETAILS

Value

The cleaned string

See Also

[str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

`convert.fields.to.json`
convert.fields.to.json

Description

Combine non-ID columns from audit table into JSON format for audit storage

Usage

`convert.fields.to.json(in_dat)`

Arguments

`in_dat` data to translate to JSON format

Details

DETAILS

Value

Values in JSON format

See Also[summarise](#), [select](#), [bind toJSON](#), [fromJSON](#)**Examples**

```
## Not run:
if(interactive()){
  #EXAMPLE1
}
```

```
## End(Not run)
```

`create_source_table_SQL`*create_source_table_SQL*

Description

Input source data is used to generate the SQL for the source's toxval_source table. SQL is based off a generic SQL file

Usage

```
create_source_table_SQL(
  source,
  res,
  src_version,
  db,
  do.halt = TRUE,
  verbose = FALSE
)
```

Arguments

source	name of the source being processed
res	input dataframe of source data
src_version	Version date of the source
db	version of toxval_source to use
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information

Details

DETAILS

Value

New SQL table as a tibble

See Also[str_trim](#)**Examples**

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

`DAT.pipe.source.audit` *DAT.pipe.source.audit*

Description

Processes DAT QC audit information into database

Usage

```
DAT.pipe.source.audit(
  source_table,
  db,
  live_df,
  audit_df,
  hashing_type = "vectorized"
)
```

Arguments

<code>source_table</code>	name of ToxVal source table audit information is associated with
<code>db</code>	the name of the database
<code>live_df</code>	a filepath to the DAT live data to push to the 'source' table
<code>audit_df</code>	a filepath to the DAT audit data to push to source_audit #'
<code>hashing_type</code>	character string of 'vectorized' or 'base' representing which source_hash generation approach to use for the data based on how the original source was hashed.

Details

DETAILS

Value

None

See Also

[read_excel](#) [rename](#), [mutate](#), [mutate-joins](#), [select](#), [filter](#) [reexports](#) [write_xlsx](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

doc_lineage_sync_clowder_metadata
<i>doc_lineage_sync_clowder_metadata</i>

Description

Utility script to sync the Clowder metadata to the database based on Clowder ID

Usage

```
doc_lineage_sync_clowder_metadata(
  source_table,
  db,
  clowder_url,
  clowder_api_key,
  batch_size = 100,
  dsID = "5e31dc1e99323f93a9f5cec0"
)
```

Arguments

source_table	The source table name (e.g. source_test)
db	the name of the database
clowder_url	URL to Clowder
clowder_api_key	API key to access Clowder resources
batch_size	PARAM_DESCRIPTION, Default: 250
dsID	Clowder Dataset ID
baseurl	PARAM_DESCRIPTION
apiKey	PARAM_DESCRIPTION

Details

DETAILS

Value

Clowder metadata

See Also

[GET](#), [add_headers](#), [content toJSON](#), [fromJSON nest](#), [reexports filter](#), [mutate](#), [select](#), [bind keep str_replace](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

export_chemicals_to_curate

export_chemicals_to_curate

Description

Export XLSX files by source for chemical curation

Usage

```
export_chemicals_to_curate(db, export_all = FALSE)
```

Arguments

db	Version of toxval_source to use
export_all	Whether to export all chemicals, Default: FALSE

Details

DETAILS

Value

None

See Also

[\[separate\]\[tidyr::separate\]](#) [\[bind_rows\]\[dplyr::bind_rows\]](#), [\[filter\]\[dplyr::filter\]](#), [\[select\]\[dplyr::select\]](#), [\[mutate\]\[dplyr::mutate\]](#), [\[rowwise\]\[dplyr::rowwise\]](#), [\[case_when\]\[dplyr::case_when\]](#), [\[ungroup\]\[dplyr::ungroup\]](#), [\[group_split\]\[dplyr::group_split\]](#) [\[read_xlsx\]\[readxl::read_xlsx\]](#) [\[write_xlsx\]\[writexl::write_xlsx\]](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

fix.casrn

fix.casrn

Description

Fix a CASRN that has one of several problems

Usage

```
fix.casrn(casrn, cname = "", verbose = FALSE)
```

Arguments

casrn	Input CASRN to be fixed
cname	An optional chemical name
verbose	if TRUE, print the input values

Details

DETAILS

Value

the fixed CASRN

See Also

[reexports](#)

Examples

```
## Not run:
if(interactive()){
  fix.casrn("107028")
  # Expected output "107-02-8"
}

## End(Not run)
```

<code>fix.non_ascii.v2</code>	<code>fix.non_ascii.v2</code>
-------------------------------	-------------------------------

Description

Flag and fix non-ascii characters in the database

Usage

```
fix.non_ascii.v2(df, source)
```

Arguments

<code>df</code>	The dataframe to be processed
<code>source</code>	Current ToxVal source
The	source to be fixed

Details

DETAILS

Value

The dataframe with non ascii characters replaced with cleaned versions

See Also

```
read.xlsx, write.xlsx str\_trim stri\_escape\_unicode
```

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

<code>fix.replace.unicode</code>	<code>fix.replace.unicode</code>
----------------------------------	----------------------------------

Description

A function to check all character fields and handle unicode symbols, either by removing them or replacing them with alphabetic equivalents.

Usage

```
fix.replace.unicode(df)
```

Arguments

df Character vector to check/replace unicode symbols.

Details

DETAILS

Value

Returns a modified version of the input vector with unicode replacements.

See Also

[stri_escape_unicode][stringi::stri_escape_unicode] [str_extract][stringr::str_extract]

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

get.chemical.info.by.source

get.chemical.info.by.source

Description

get chemical info from source db tables

Usage

```
get.chemical.info.by.source(source.db, source_table, source, file_id)
```

Arguments

source.db	The version of toxval source to use.
source_table	The name of toxval source table to use.
source	The name of toxval source to use.
file_id	The suffixed 5 digit identifiers specified in the file names in the folder ./chemical_mapping/source_chemical_files

Details

DETAILS

Value

database info collected

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
get.chemical.info.by.source.combined
  get.chemical.info.by.source.combined
```

Description

get chemical info from source db tables for curation, create chemical table to map curated chemicals to.

Usage

```
get.chemical.info.by.source.combined(source.db, source_table, source)
```

Arguments

source.db	The version of toxval source to use.
source_table	The name of toxval source table to use.
source	The name of toxval source to use.

Details

DETAILS

Value

database info collected

See Also

[bind](#), [mutate](#), [context](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

get.num.decimal.count	<i>get.num.decimal.count</i>
-----------------------	------------------------------

Description

A function count the length of an input numeric and its decimal places

Usage

```
get.num.decimal.count(in_num)
```

Arguments

in_num	PARAM_DESCRIPTION
--------	-------------------

Details

DETAILS

Value

Returns a dataframe of the length of the numeric and decimal places

See Also

[str_count](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

getDBConn	<i>getDBConn</i>
-----------	------------------

Description

Get the names the database server, user, and pass or returns error message

Usage

```
getDBConn()
```

Details

DETAILS

Value

print the database connection information

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

getPSQLDDBConn

getPSQLDDBConn

Description

Get the names the database server, user, and pass or returns error message

Usage

```
getPSQLDDBConn()
```

Details

DETAILS

Value

print the database connection information

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import.driver	<i>import.driver</i>
---------------	----------------------

Description

Function to run all import scripts to fill toxval_source

Usage

```
import.driver(db, chem.check.halt = FALSE, do.clean = FALSE)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	PARAM_DESCRIPTION, Default: FALSE
do.clean	If TRUE, delete data from all tables before reloading
chem.chk.halt	If TRUE and there are bad chemical names or casrn, #' stop to look at the results in indir/chemcheck.xlsx

Details

DETAILS

Value

None

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import.dup.log.info	<i>FUNCTION_TITLE</i>
---------------------	-----------------------

Description

FUNCTION_DESCRIPTION

Usage

```
import.dup.log.info(db, dups_log_file = "True_Duplicate_for_DAT.xlsx")
```

Arguments

db The version of toxval into which the source info is loaded.
dups_log_file The name of the duplicates log file to load

Details

#' Data Profiling Dups Log Load Source Info into toxval source. The information is in the file
./data_profile/data_profile_files/data_profiling_dups_log3.xlsx
DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_xlsx][readxl::read_xlsx] [separate_rows][tidyr::separate_rows], [unite][tidyr::unite] [filter][dplyr::filter],
[select][dplyr::select]

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_actor_source	<i>FUNCTION_TITLE</i>
---------------------	-----------------------

Description

Extract ACToR1 data to toxval source

Usage

```
import_actor_source(toxval.db, infile, filepath, verbose = F)
```

Arguments

toxval.db The version of toxval source into which the tables are loaded.
infile The input file ./ACToR replacements/ACToR_2021/assay_table_hazard prioritized for use.xlsx
filepath The path for all the input xlsx files ./ACToR replacements/ACToR_2021
verbose Whether the loaded rows should be printed to the console.
do.init if TRUE, read the data in from the res_actor_2021q4 database and set up the matrix

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read.xlsx](#), [write.xlsx](#) [str_replace](#) [group_by](#), [select](#), [mutate-joins](#), [mutate_all](#) [spread](#) [aggregate](#), [na.fail](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_atsdr_pfas_2021_source
      import_atsdr_pfas_2021_source
```

Description

Load ATSDR PFAS 2021 data to toxval_source

Usage

```
import_atsdr_pfas_2021_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to ToxVal

See Also

[read_excel](#), [remove_empty](#), [bind_rows](#), [summarise](#), [mutate](#), [arrange](#), [distinct](#), [case_when](#), [select](#), [group_by](#), [separate_rows](#), [separate](#), [pivot_longer](#), [drop_na](#), [str_trim](#), [str_extract](#), [str_replace](#), [enframe](#), [all_of](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_copper_source *import_copper_source*

Description

Load Copper Manufacturers data into toxval_source

Usage

```
import_copper_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [rename](#), [mutate](#), [row_number](#), [case_when](#), [filter](#), [select](#), [bind_rows](#), [distinct](#), [drop_na](#), [separate](#), [str_extract](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_dod_ered_source

import_dod_ered_source

Description

Load DOD ERED data into toxval_source

Usage

```
import_dod_ered_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; the script sends data to toxval_source

See Also

[read_excel](#), [mutate](#), [across](#), [reexports](#), [case_when](#), [rename](#), [distinct](#), [str_extract](#), [str_trim](#), [replace_na](#), [drop_na](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_dod_meg_source import_dod_meg_source
```

Description

Load DOD MEG to toxval_source.

Usage

```
import_dod_meg_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None. Data is processed into the database

See Also

[read_excel](#) [mutate](#), [case_when](#), [distinct](#) [str_trim](#) [unite](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_doe_benchmarks_source
      import_doe_benchmarks_source
```

Description

Load DOE Wildlife Benchmarks data into toxval_source

Usage

```
import_doe_benchmarks_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [mutate](#), [row_number](#), [select](#), [rename](#), [bind_rows](#), [across](#), [case_when](#), [distinct](#), [str_trim](#), [str_extract](#), [reexports](#), [pivot_longer](#), [drop_na](#), [separate](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_doe_lanl_ecorisk_source
    import_doe_lanl_ecorisk_source
```

Description

Import doe_lanl_ecorisk source into ToxVal

Usage

```
import_doe_lanl_ecorisk_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#) [str_trim](#), [str_remove](#) [fixed](#), [str_squish](#) [pivot_longer](#) [mutate](#), [distinct](#), [rename](#) [all_of](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_doe_pac_source  import_doe_pac_source
```

Description

Load DOE Source into toxval_source

Usage

```
import_doe_pac_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	PARAM_DESCRIPTION, Default: FALSE
do.insert	PARAM_DESCRIPTION, Default: FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_xlsx][readxl::read_xlsx] [str_squish][stringr::str_squish], [str_extract_all][stringr::str_extract_all]
[mutate][dplyr::mutate], [across][dplyr::across], [rename][dplyr::rename], [select][dplyr::select], [row-
wise][dplyr::rowwise], [ungroup][dplyr::ungroup] [pivot_longer][tidyr::pivot_longer]

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_doe_source	<i>FUNCTION_TITLE</i>
-------------------	-----------------------

Description

Load doe Source into dev_toxval_source_v4.

Usage

```
import_doe_source(toxval.db, infile)
```

Arguments

toxval.db	The version of toxval into which the source is loaded.
infile	The input file ./doe/doe_files/Revision_29.xlsx

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read.xlsx distinct](#), [filter-joins](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_efsa_source	<i>FUNCTION_TITLE</i>
--------------------	-----------------------

Description

Import of EFSA OpenFoodTox 2022 source into toxval_source

Usage

```
import_efsa_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#) [str_trim](#) [rename](#), [mutate](#), [recode](#), [across](#), [select](#), [distinct](#) [separate](#), [reexports](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_envirotox_source
  FUNCTION_TITLE
```

Description

Load EnviroTox.V2 Source data into dev_toxval_source_v4.

Usage

```
import_envirotox_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

toxval.db	The version of toxval into which the source info is loaded.
infile	The input file ./envirotox/envirotox_files/envirotox_taxonomy.xlsx

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also[read.xlsx](#)**Examples**

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_envirottox_source
      import_envirottox_source
```

Description

Load EnviroTox.V2 Source data into toxval_source

Usage

```
import_envirottox_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	If TRUE, delete data from the database for this source before inserting new data
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded into toxval_source

See Also

[read_excel](#) [mutate-joins](#), [mutate](#), [na_if](#), [case_when](#) [str_match](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_flex_source	<i>FUNCTION_TITLE</i>
--------------------	-----------------------

Description

Load the FLEX data (old ACToR data) from files to toxval source. This will load all Excel file in the folder ACToR replacements/

Usage

```
import_flex_source(
  db,
  filepath = "ACToR replacements",
  verbose = F,
  chem.check.halt = F,
  do.clean = F
)
```

Arguments

db	The version of toxval_source into which the tables are loaded.
filepath	The path for all the input xlsx files ./ACToR replacements
verbose	Whether the loaded rows should be printed to the console.
chem.check.halt	If TRUE and there are problems with chemicals CASRN checks, halt the program
do.clean	If true, remove data for these sources before reloading

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read.xlsx](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_generic_source FUNCTION_TITLE
```

Description

A generic template for adding data to toxval_source for a new source

Import FDA CEDI data into source_fda_cedi

Import USGS HBSL data into toxval_source

Import of WHO IPCS data

Import of WHO JECFA ADI data

Usage

```
import_generic_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)

import_source_fda_cedi(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)

import_source_usgs_hbsl(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)

import_who_ipcs(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)

import_source_who_jecfa_adi(
```

```

    db,
    chem.check.halt = FALSE,
    do.reset = FALSE,
    do.insert = FALSE
  )

```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS
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 DETAILS
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 DETAILS

Value

OUTPUT_DESCRIPTION
 OUTPUT_DESCRIPTION
 OUTPUT_DESCRIPTION
 None. Data is processed into the toxval_source database
 OUTPUT_DESCRIPTION

See Also

[read_excel str_trim](#)
[read_csv str_trim](#)
[read_excel str_trim](#)
[read_excel str_trim](#)
[read_excel str_trim](#)

Examples

```

## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
## Not run:
if(interactive()){
  #EXAMPLE1
}

```

```

## End(Not run)
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)

```

```

import_hawc_pfas_source
      import_hawc_pfas_source

```

Description

Load HAWC PFAS data into toxval_source

Usage

```

import_hawc_pfas_source(
  db,
  hawc_num = NULL,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)

```

Arguments

db	The version of toxval_source into which the source is loaded.
hawc_num	The HAWC number being processed (e.g. 150, 430)
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is added to toxval_source

See Also

[read_excel](#), [mutate](#), [select](#), [distinct](#), [arrange](#), [count](#), [mutate-joins](#), [filter](#), [rename](#), [case_when](#), [all_of](#), [pivot_wider](#), [unite](#), [pivot_longer](#), [separate](#), [drop_na](#), [separate_rows](#), [str_trim](#), [str_detect](#), [str_extract](#), [map2](#), [digest](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_hawc_source	<i>import_hawc_source</i>
--------------------	---------------------------

Description

Load HAWC Project data into toxval_source

Usage

```
import_hawc_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[getSheetNames](#), [read.xlsx](#) [select](#), [distinct](#), [mutate](#), [arrange](#), [count](#), [mutate-joins](#), [bind_rows](#), [context](#), [reexports](#), [across](#), [na_if](#) [pivot_wider](#), [unite](#), [reexports](#), [drop_na](#) [setops](#) [digest](#) [str_extract](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}
```

```
## End(Not run)
```

```
import_health_canada_source
      import_health_canada_source
```

Description

Transforms and loads Health Canada data into toxval_source

Usage

```
import_health_canada_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#) [mutate](#), [across](#), [reexports](#), [case_when](#), [na_if](#) [str_extract](#), [str_trim](#), [modifiers](#), [str_count](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_heast_source	<i>import_heast_source</i>
---------------------	----------------------------

Description

Load HEAST data into toxval_source

Usage

```
import_heast_source(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [filter](#), [select](#), [c\("rowwise", "rowwise"\)](#), [mutate](#), [group_by](#), [na_if](#), [row_number](#), [rename](#), [bind_rows](#), [case_when](#), [all_of](#), [starts_with](#), [str_trim](#), [str_extract](#), [drop_na](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_hpvis_source	<i>import_hpvis_source</i>
---------------------	----------------------------

Description

Load HPVIS data into toxval_source

Usage

```
import_hpvis_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read.xlsx](#), [setNames](#), [mutate](#), [setops](#), [filter](#), [across](#), [reexports](#), [na_if](#), [case_when](#), [row_number](#), [select](#), [bind_rows](#), [type.convert](#), [str_trim](#), [str_replace](#), [str_extract](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_niosh_source	<i>import_niosh_source</i>
---------------------	----------------------------

Description

Load NIOSH data into toxval_source

Usage

```
import_niosh_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#) [mutate](#), [case_when](#) [str_trim](#), [str_extract](#) [separate](#), [drop_na](#) [pivot_longer](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_oppt_source	<i>FUNCTION_TITLE</i>
--------------------	-----------------------

Description

FUNCTION_DESCRIPTION

Usage

```
import_oppt_source(db, infile = "OPPT_data_20181219.xlsx", chem.check.halt = T)
```

Arguments

db	The version of toxval_source into which the source info is loaded.
infile	The input file ./oppt/oppt_files/OPPT_data_20181219.xlsx
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping

Details

```
#' Load OPPT Source Info into toxval_source
```

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read.xlsx](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_opp_source	<i>import_opp_source</i>
-------------------	--------------------------

Description

Load EPA OPP data to toxval_source

Usage

```
import_opp_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel_pivot_longer](#), [separate_filter](#), [mutate](#), [row_number](#), [case_when](#), [select](#), [bind_rows](#), [str_trim](#), [str_extract](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_ow_dwsha_source
      import_ow_dwsha_source
```

Description

Load OW Drinking Water Standards data into toxval_source

Usage

```
import_ow_dwsha_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is added to toxval_source

See Also

[read_excel](#) [mutate](#), [case_when](#), [filter](#), [row_number](#), [bind_rows](#) [separate](#), [pivot_longer](#)
[str_trim](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_pfas_150_sem_v2_source
    import_pfas_150_sem_v2_source
```

Description

Load PFAS 150 SEM V2 Source data into toxval_source

Usage

```
import_pfas_150_sem_v2_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel str_trim](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_rsl_source	<i>import_rsl_source</i>
-------------------	--------------------------

Description

Import of RSL 2023 source into toxval_source

Usage

```
import_rsl_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	PARAM_DESCRIPTION, Default: FALSE
do.insert	PARAM_DESCRIPTION, Default: FALSE
infile1	The input file ./rsl/rsl_files/rsl_thq10_nov_2022.xlsx
infile2	The input file ./rsl/rsl_files/rsl_thq01_nov_2022.xlsx
infile3	The input file ./rsl/rsl_files/rsl_subchronic_nov_2022.xlsx

Details

DETAILS

Value

None; data is sent to toxval_source

See Also

[read_excel](#) [bind_rows](#), [mutate_all](#), [mutate](#), [na_if](#), [across](#), [reexports](#), [case_when](#) [unite](#), [pivot_longer](#), [separate](#), [drop_na](#) [str_trim](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_source_atsdr_mrls
      import_source_astdr_mrls
```

Description

Send ASTDR MRLs data to toxval_source

Usage

```
import_source_atsdr_mrls(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE,
  do.toxicological_profile = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE
do.toxicological_profile	If TRUE, add toxicological profile data to table before insertion

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#) [separate](#) [mutate](#), [case_when](#) [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_caloeehha
    import_source_caloeehha
```

Description

Load caloeehha Source file into toxval_source The raw data can be exported as an Excel sheet from the web site <https://oehha.ca.gov/chemicals>, selecting the link "Export database as .CSV file"

This method parses that file and prepares for loading into toxval source

Usage

```
import_source_caloeehha(
    db,
    chem.check.halt = FALSE,
    do.reset = FALSE,
    do.insert = FALSE,
    do.summary_data = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are problems with chemicals CASRN checks, halt the program
do.reset	PARAM_DESCRIPTION, Default: FALSE
do.insert	PARAM_DESCRIPTION, Default: FALSE
do.summary_data	If TRUE, add Cal OEHHA Summary data to table before insertion
infile	The input file = "../caloeehha/caloeehha_files/OEHHA-chemicals_2018-10-30T08-50-47.xlsx",

Details

DETAILS

Value

None; data is pushed to ToxVal_Source

See Also

[read.xlsx](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_cosmos  import_source_cosmos
```

Description

Load COSMOS source data into toxval_source

Usage

```
import_source_cosmos(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	If TRUE, delete data from the database for this source before inserting new data
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded into toxval_source

See Also

[read_excel](#) [mutate](#), [case_when](#), [filter](#) [str_trim](#) [separate_rows](#), [drop_na](#), [separate](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_epa_aegl
    import_source_epa_aegl
```

Description

Import EPA AEGL data into toxval_source

Usage

```
import_source_epa_aegl(
    db,
    chem.check.halt = FALSE,
    do.reset = FALSE,
    do.insert = FALSE
)
```

Arguments

db	PARAM_DESCRIPTION
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	PARAM_DESCRIPTION, Default: FALSE
do.insert	PARAM_DESCRIPTION, Default: FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#), [filter](#), [mutate](#), [select](#), [distinct](#), [mutate-joins](#), [separate_rows](#), [pivot_longer](#), [reexports](#), [modifiers](#), [str_remove](#), [str_split](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_epa_hhtv
import_source_epa_hhtv
```

Description

Push EPA HHTV data to toxval_source

Usage

```
import_source_epa_hhtv(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_epa_ow_npdwr
      FUNCTION_TITLE
```

Description

FUNCTION_DESCRIPTION

Usage

```
import_source_epa_ow_npdwr(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

```
#' Import of EPA OW NPDWR source into toxval_source
DETAILS
```

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#) [rename](#), [mutate](#), [across](#) [pivot_longer](#), [separate](#) [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_epa_ow_nrwqc_alc
```

FUNCTION_TITLE

Description

Import of EPA OW NRWQC-ALC source into toxval_source

Usage

```
import_source_epa_ow_nrwqc_alc(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	PARAM_DESCRIPTION, Default: FALSE
do.insert	PARAM_DESCRIPTION, Default: FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#), [str_trim](#), [rename](#), [c\("rowwise", "rowwise", "rowwise"\)](#), [mutate](#), [group_by](#), [across](#), [case_when](#), [pivot_longer](#), [separate](#), [reexports](#), [separate_rows](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_source_epa_ow_nrwqc_hhc
```

FUNCTION_TITLE

Description

Import of EPA OW NRWQC-HHC source into toxval_source

Usage

```
import_source_epa_ow_nrwqc_hhc(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#), [rename](#), [mutate](#), [across](#), [c\("rowwise", "rowwise", "rowwise"\)](#), [pivot_longer](#), [reexports](#), [separate](#), [str_detect](#), [str_trim](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_source_epa_ow_opp_alb
```

FUNCTION_TITLE

Description

Import of EPA OW OPP-ALB source into toxval_source

Usage

```
import_source_epa_ow_opp_alb(  
    db,  
    chem.check.halt = FALSE,  
    do.reset = FALSE,  
    do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_excel](#), [rename](#), [mutate](#), [across](#), [reexports](#), [pivot_longer](#), [separate](#), [str_trim](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
import_source_gestis_dnel
      import_source_gestis_dnel
```

Description

Import GESTIS DNEL into toxval_source

Usage

```
import_source_gestis_dnel(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

OUTPUT_DESCRIPTION

See Also

[read_xlsx][readxl::read_xlsx] [str_squish][stringr::str_squish] [mutate][dplyr::mutate], [across][dplyr::across], [select][dplyr::select], [distinct][dplyr::distinct], [filter][dplyr::filter] [pivot_longer][tidyr::pivot_longer]

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_source_hess	<i>import_source_hess</i>
--------------------	---------------------------

Description

Load HESS data into toxval_source

Usage

```
import_source_hess(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [pivot_longer](#), [unite](#), [drop_na](#), [mutate](#), [across](#), [reexports](#), [na_if](#), [case_when](#), [tidyeval-compat](#), [select](#), [rename](#), [mutate-joins](#), [str_replace](#), [str_trim](#), [case](#), [str_extract](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

import_source_iris	<i>import_source_iris</i>
--------------------	---------------------------

Description

Import of IRIS 2023-05-09 source into toxval_source

Import PPRTV (CPHEA) source data into toxval_source

Usage

```
import_source_iris(  
    db,  
    chem.check.halt = FALSE,  
    do.reset = FALSE,  
    do.insert = FALSE,  
    do.summary_data = FALSE  
)
```

```
import_source_pprtv_cphea(  
    db,  
    chem.check.halt = FALSE,  
    do.reset = FALSE,  
    do.insert = FALSE,  
    do.summary_data = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE
do.summary_data	If TRUE, add PPRTV CPHEA Summary data to table before insertion

Details

DETAILS

DETAILS

Value

None; data is pushed to toxval_source

None; data is pushed to toxval_source

See Also

[read_excel](#), [mutate](#), [filter](#), [select](#), [across](#), [rename](#), [c\("rowwise", "rowwise", "rowwise"\)](#), [distinct](#), [pivot_longer](#), [reexports](#), [separate](#), [replace_na](#), [str_trim](#), [str_replace](#), [str_extract](#), [read_excel](#), [pivot_longer](#), [reexports](#), [separate](#), [replace_na](#), [drop_na](#), [mutate](#), [across](#), [case_when](#), [select](#), [reexports](#), [distinct](#), [str_trim](#), [str_extract](#), [all_of](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_source_iuclid *import_source_iuclid*

Description

Import IUCLID data to ToxVal Source

Usage

```
import_source_iuclid(
  db,
  subf,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
subf	The subfolder containing the IUCLID subsource
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [filter](#), [group_by](#), [mutate](#), [row_number](#), [context](#), [case_when](#), [pull](#), [rename](#), [select](#), [separate_rows](#), [reexports](#), [separate](#), [unite](#), [pivot_longer](#), [pivot_wider](#), [drop_na](#), [str_trim](#), [str_extract](#), [modifiers](#), [str_detect](#), [str_split](#), [str_unique](#), [mgsub](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_iuclid_orchestrate
```

```
import_source_iuclid_orchestrate
```

Description

Load the various IUCLID subsources into ToxVal

Usage

```
import_source_iuclid_orchestrate(
  dir = paste0(toxval.config()$datapath, "iuclid")
)
```

Arguments

<code>dir</code>	directory containing the various IUCLID subsources subdirectories
<code>db</code>	The version of toxval_source into which the source is loaded.
<code>do.insert</code>	If TRUE, insert data into the database, default TRUE
<code>chem.check.halt</code>	If TRUE, stop the execution if there are errors in the

Details

DETAILS

Value

None, subsources loaded

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_mass_mmcl
      import_source_mass_mmcl
```

Description

Load Mass. Drinking Water Standards into toxval_source

Usage

```
import_source_mass_mmcl(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	If TRUE, delete data from the database for this source before inserting new data
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded into toxval_source

See Also

[read_excel](#), [mutate](#), [across](#), [reexports](#), [rename](#), [coalesce](#), [filter](#), [case_when](#), [reexports](#), [pivot_longer](#), [drop_na](#), [separate](#), [str_match](#), [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_ntp_pfas
      import_source_ntp_pfas
```

Description

A function for adding source NTP PFAS data to toxval_source

Usage

```
import_source_ntp_pfas(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#), [rename](#), [mutate](#), [across](#), [bind_rows](#), [distinct](#), [c\("rowwise", "rowwise"\)](#), [select](#), [filter](#), [mutate-joins](#), [case_when](#), [pivot_longer](#), [separate](#), [unite](#), [drop_na](#), [str_trim](#), [str_extract](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_penn_dep_mcls
      import_source_penn_dep
```

Description

Load Pennsylvania DEP MCLs into toxval_source

Usage

```
import_source_penn_dep_mcls(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded to MySQL server

See Also

[read_excel](#), [mutate](#), [case_when](#), [distinct](#), [str_trim](#), [unite](#), [pivot_longer](#), [separate](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_penn_dep_toxvalues
      import_source_penn_dep_toxvalues
```

Description

Load Penn DEP ToxValues Source into toxval_source

Usage

```
import_source_penn_dep_toxvalues(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	If TRUE, delete data from the database for this source before inserting new data
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded into toxval_source

See Also

[read_excel](#), [mutate](#), [filter](#), [case_when](#), [str_trim](#), [unite](#), [pivot_longer](#), [separate](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
import_source_who_jecfa_tox_studies
      import_source_who_jecfa_tox_studies
```

Description

Import of WHO JECFA Tox Studies data

Usage

```
import_source_who_jecfa_tox_studies(
  db,
  chem.check.halt = FALSE,
  do.reset = FALSE,
  do.insert = FALSE
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE and there are bad chemical names or casrn,
do.reset	If TRUE, delete data from the database for this source before
do.insert	If TRUE, insert data into the database, default FALS

Details

DETAILS

Value

None; data is pushed to toxval_source

See Also

[read_excel](#) [mutate](#), [case_when](#), [filter](#) [separate_rows](#) [str_trim](#) [str_extract](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

import_test_source	<i>import_test_source</i>
--------------------	---------------------------

Description

Load TEST Source data into toxval_source

Usage

```
import_test_source(  
  db,  
  chem.check.halt = FALSE,  
  do.reset = FALSE,  
  do.insert = FALSE  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
do.reset	If TRUE, delete data from the database for this source before inserting new data
do.insert	If TRUE, insert data into the database, default FALSE

Details

DETAILS

Value

None; data is loaded into toxval_source

See Also

[read_excel](#) [read.table](#) [select](#), [mutate-joins](#), [join_by](#), [mutate](#), [case_when](#) [str_trim](#) [pivot_longer](#), [drop_na](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

init.audit.table	<i>init.audit.table</i>
------------------	-------------------------

Description

Create audit table and add BEFORE UPDATE audit triggers to source_* tables

Create audit table and add BEFORE UPDATE audit triggers to source_* tables

Usage

```
init.audit.table(db, do.halt = FALSE, verbose = FALSE)
```

Arguments

db	the name of the database
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information
s_tbl	Source table name to apply changes to
field_list	List of current field names in source table

Details

DETAILS

Value

None

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

initialize_source_iuclid_directory	<i>FUNCTION_TITLE</i>
------------------------------------	-----------------------

Description

Initialize Source IUCLID Directory into subdirectory based on input files

Usage

```
initialize_source_iuclid_directory()
```

Details

DETAILS

Value

None, file directory structure generated

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

parse_sql_file	<i>parse_sql_file</i>
----------------	-----------------------

Description

Function to parse SQL file into SQL query strings

Usage

```
parse_sql_file(filepath = NULL)
```

Arguments

filepath Input SQL filepath

Details

DETAILS

Value

SQL query strings

See Also

[read_lines](#) [str_trim](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

prep.DAT.conversion	<i>prep.DAT.conversion</i>
---------------------	----------------------------

Description

Select and rename DAT audit columns for toxval_source, calculate new source_hash

Usage

```
prep.DAT.conversion(in_dat = NULL, hash_id_list = NULL, hashing_type = "base")
```

Arguments

in_dat	Input DAT data
hash_id_list	List of hash values to keep

Details

DETAILS

Value

Updated DAT tibble

See Also

[rename](#), [select](#), [mutate](#) [unite](#), [reexports](#) [map](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

printCurrentFunction	<i>printCurrentFunction</i>
----------------------	-----------------------------

Description

Print the name of the current function

Usage

```
printCurrentFunction(comment.string = NA)
```

Arguments

comment.string An optional string to be printed

Details

DETAILS

Value

None

See Also[flush.console](#)**Examples**

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

qc_prescreening_summary*qc_prescreening_summary*

Description

Runs a database query and returns a result set

Usage

```
qc_prescreening_summary(
  src_tbl = NULL,
  source_name = NULL,
  outputDir = NULL,
  db = NULL
)
```

Arguments

src_tbl	a toxval source table name.
source_name	a toxval source name (used for direct load types).
outputDir	optional directory path to save output file in.
db	the name of the database.

Details

DETAILS

Value

Result set of QC prescreenig information

See Also

[pivot_longer](#), [reexports](#), [group_by](#), [summarise](#), [write_xlsx](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

runInsert	<i>runInsert</i>
-----------	------------------

Description

Insert a record into a database. if auto.increment=TRUE, return the auto incremented primary key of the record. otherwise, return -1

Usage

```
runInsert(query, db, do.halt = F, verbose = F, auto.increment.id = F)
```

Arguments

- query a properly formatted SQL query as a string
- db the name of the database
- do.halt if TRUE, halt on errors or warnings
- verbose if TRUE, print diagnostic information
- auto.increment.id PARAM_DESCRIPTION, Default: F
- auto.increment if TRUE, add the auto increment primary key even if not part of the query

Details

DETAILS

Value

Returns the database table auto incremented primary key ID

See Also

[character\(0\)](#), [MySQLDriver-class](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

runInsertTable

runInsertTable

Description

Inserts multiple rows into a database table

Usage

```
runInsertTable(mat, table, db, do.halt = T, verbose = F, get.id = T)
```

Arguments

mat	data frame containing the data, with the column names corresponding
table	name of the database table to which data will be inserted
db	the name of the database
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information
get.id	Whether to return ID or not, Default: T

Details

DETAILS

Value

ID or None

See Also

[character\(0\)](#), [MySQLDriver-class](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

`runQuery`*runQuery*

Description

Runs a database query and returns a result set

Usage

```
runQuery(query = NULL, db, do.halt = T, verbose = F)
```

Arguments

<code>query</code>	a properly formatted SQL query as a string
<code>db</code>	the name of the database
<code>do.halt</code>	if TRUE, halt on errors or warnings
<code>verbose</code>	if TRUE, print diagnostic information

Details

DETAILS

Value

Query results

See Also

[character\(0\)](#), [MySQLDriver-class flush.console](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

runQuery_psql	<i>runQuery_psql</i>
---------------	----------------------

Description

Runs a PSQL database query and returns a result set

Usage

```
runQuery_psql(query, db, do.halt = T, verbose = T)
```

Arguments

query	a properly formatted SQL query as a string
db	the name of the database
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information

Details

DETAILS

Value

Query results

See Also

[character\(0\) PostgreSQL dbGetQuery](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

runStatement	<i>runStatement</i>
--------------	---------------------

Description

Run a SQL statement, such as an ALTER or UPDATE

Usage

```
runStatement(query, db, do.halt = F, verbose = F)
```

Arguments

query	a properly formatted SQL query as a string
db	the name of the database
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information

Details

DETAILS

Value

None. SQL statement is run.

See Also

[character\(0\)](#), [MySQLDriver-class](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

runUpdate

*runUpdate***Description**

Runs a database query and returns a result set

Usage

```
runUpdate(
    table,
    updateQuery = NULL,
    updated_df = NULL,
    db,
    do.halt = TRUE,
    verbose = FALSE,
    trigger_check = TRUE
)
```

Arguments

table	table to update
updateQuery	a properly formatted SQL query as a string in the form of an UPDATE INNER JOIN
updated_df	a dataframe of updated data to temporarily write to database for INNER JOIN
db	the name of the database
do.halt	if TRUE, halt on errors or warnings
verbose	if TRUE, print diagnostic information
trigger_check	if FALSE, audit triggers are ignored/bypassed

Details

DETAILS

Value

None

See Also

[character\(0\)](#), [MySQLDriver-class dbSendStatement](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

setDBConn	<i>setDBConn</i>
-----------	------------------

Description

set SQL connection to the database

Usage

```
setDBConn(  
  server = "ccte-mysql-res.epa.gov",  
  user = NULL,  
  password = NULL,  
  api_auth = NULL,  
  port = 3306  
)
```

Arguments

server	SQL server on which relevant database lives
user	SQL username to access database
password	SQL password corresponding to username
api_auth	API Key for CCTE API's
port	Port for the server connection. Default of 3306.

Details

DETAILS

Value

None

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

setPSQLDBConn	<i>setPSQLDBConn</i>
---------------	----------------------

Description

set PSQL connection to the database

Usage

setPSQLDBConn(server, port, user, password, api_auth)

Arguments

server	SQL server on which relevant database lives
port	port to use
user	SQL username to access database
password	SQL password corresponding to username
api_auth	API Key for CCTE API's

Details

DETAILS

Value

None

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

set_clowder_doc_type	<i>set_clowder_doc_type</i>
----------------------	-----------------------------

Description

Update documents table entries "document_type" field based on Clowder organization

Usage

```
set_clowder_doc_type(
  source_table = NULL,
  source_version_date = NULL,
  clowder_url = NULL,
  clowder_api_key = NULL,
  source.db = NULL,
  ds_id = NULL,
  clowder_id_list = NULL
)
```

Arguments

`source_table` The source table name (e.g. `source_test`). Default is `NULL` for "all"

`source_version_date` The version date for the source table. Default is `NULL` for "all"

`clowder_url` URL to Clowder

`clowder_api_key` API key to access Clowder resources

`source.db` Name of the `toxval_source` database to apply updates to

`ds_id` Clowder Dataset ID for ToxVal Clowder Documents.

`clowder_id_list` Optional `DataFrame` with field "clowder_id" values for document records to update.

Details

DETAILS

Value

None. SQL statements are performed.

See Also

[read_excel](#), [rename](#), [filter](#), [select](#), [mutate-joins](#), [mutate separate_rows](#), [unite](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
set_clowder_id_lineage
    set_clowder_id_lineage
```

Description

Create document records and associations in toxval_source based on input source table and document map

Usage

```
set_clowder_id_lineage(
  source_table,
  map_clowder_id_field,
  map_file,
  clowder_url,
  clowder_api_key,
  sync_clowder_metadata = FALSE,
  source.db,
  toxval.db
)
```

Arguments

source_table	The source table name (e.g. source_test)
map_clowder_id_field	Column name for the Clowder ID field of the map
map_file	A dataframe of Clowder document mapping info. If NULL, will try to load a hardcoded map for the source
clowder_url	URL to Clowder
clowder_api_key	API key to access Clowder resources
sync_clowder_metadata	Boolean whether to sync Clowder metadata for new document records. Default is False.
source.db	The source database name
toxval.db	The database version to use

Details

DETAILS

Value

Returns an updated map with newly associated toxval_source table ID values

See Also

[read_excel](#), [rename](#), [filter](#), [select](#), [mutate-joins](#), [mutate separate_rows](#), [unite](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

set_field_SQL_type	<i>set_field_SQL_type</i>
--------------------	---------------------------

Description

Helper function to generate SQL field types based on dataframe field types

Usage

```
set_field_SQL_type(src_f = NULL, default_fields = NULL)
```

Arguments

`src_f` Dataframe to generate field types from
`default_fields` Default fields already handled by input generic SQL

Details

DETAILS

Value

SQL string for the input dataframe's fields

See Also

[bind](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

source.table.to.DAT	<i>source.table.to.DAT</i>
---------------------	----------------------------

Description

Convert toxval source table to DAT format for loading to DAT application

Usage

```
source.table.to.DAT(source.db, source_table, limit = 1e+06, sample_p = NA)
```

Arguments

source.db	The version of toxval source to use.
source_table	The name of toxval source table to use. If a DataFrame, input data will be #' processing and returned without saving to file.
limit	Excel file grouping limit (default is max XLSX row limit)
sample_p	Percentage of records to sample down to
source	The name of toxval source to use.

Details

DETAILS

Value

Processed source table to DAT format cached and returned.

See Also

[rename](#), [filter](#), [slice](#), [select pivot_longer](#), [reexports write_xlsx](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

source_chemical.process
source_chemical.process

Description

Deal with the process of making the source_chemical information

Usage

```
source_chemical.process(  
  db,  
  res,  
  source,  
  table,  
  chem.check.halt = FALSE,  
  casrn.col = "casrn",  
  name.col = "name",  
  verbose = FALSE  
)
```

Arguments

db	The version of toxval into which the source info is loaded.
res	The input dataframe to which chemical information will be added
source	The source to process
table	Name of the database table
chem.check.halt	If TRUE, stop if there are problems with the chemical mapping
casrn.col	The name of the column containing the CASRN
name.col	The name of the column containing the chemical name
verbose	If TRUE, write out diagnostic messages #

Details

DETAILS

Value

Returns the original dataframe with a chemical_id appended

See Also

[unite head digest](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

source_hash_vectorized
<i>source_hash_vectorized</i>

Description

Generate the hash key for a source table based on hashing columns
Add the hash key to the source tables and add the new rows

Usage

```
source_hash_vectorized(res, hashing_cols)

toxval_source.hash.and.load(
  db = "dev_toxval_source_v5",
  source,
  table,
  do.reset = FALSE,
  do.insert = FALSE,
  res,
  hashing_cols = NULL
)
```

Arguments

res	The data frame to be processed
hashing_cols	Optional list of columns to use for generating source_hash
db	The version of toxval_source into which the source is loaded.
source	Name of the source
table	Name of the database table
do.reset	If TRUE, delete data from the database for this source before #' inserting new data. Default FALSE
do.insert	If TRUE, insert data into the database, default False

Details

DETAILS
DETAILS

Value

Input dataframe with new source_hash field

None

See Also

[digest distinct](#)

[digest distinct](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}
```

```
## End(Not run)  
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}
```

```
## End(Not run)
```

source_prep_and_load *source_prep_and_load*

Description

Prep the source data aand load

Usage

```
source_prep_and_load(  
  db,  
  source,  
  table,  
  res,  
  do.reset = FALSE,  
  do.insert = FALSE,  
  chem.check.halt = FALSE,  
  verbose = FALSE,  
  hashing_cols = NULL  
)
```

Arguments

db	The version of toxval_source into which the source is loaded.
source	Name of the source
table	Name of the database table

res	The data frame to be processed
do.reset	If TRUE, delete data from the database for this source before #' inserting new data. Default FALSE
do.insert	If TRUE, insert data into the database, default FALSE
chem.check.halt	If TRUE, stop the execution if there are errors in the #' chemical mapping
verbose	If TRUE, write out diagnostic messages #'
hashing_cols	Optional list of columns to use for generating source_hash

Details

DETAILS

Value

None

See Also

[reexports](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

source_set_defaults	<i>source_set_defaults</i>
---------------------	----------------------------

Description

Set default value for NAs - just set NA to "-" for columns of type character

Usage

```
source_set_defaults(res, source)
```

Arguments

res	The input dataframe
source	The data source name

Details

DETAILS

Value

Returns the input dataframe with defaults set

See Also

[pull][dplyr::pull]

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

toxval.config

toxval.config

Description

Define a set of global variables. These include the source path (datapath) and the source databases (e.g. dev_toxval_version and dev_toxval_source_version).

Usage

```
toxval.config()
```

Details

DETAILS

Value

Returns a set of parameters to be used throughout the package

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
toxval.source.import.dedup  
    toxval.source.import.dedup
```

Description

Perform deduping on data before it is sent to toxval_source

Usage

```
toxval.source.import.dedup(  
  res,  
  dedup_fields = NULL,  
  hashing_cols = NULL,  
  delim = " |::| "  
)
```

Arguments

res	dataframe containing the source data to dedup
dedup_fields	vector containing field names to dedup, Default: NULL (all fields but hashing cols)
hashing_cols	vector containing field names of hashing columns, Default: toxval.config()\$hashing_cols
delim	string used to separate collapsed values, Default: ' :: '

Details

DETAILS

Value

dataframe containing deduped source data

See Also

[select](#), [group_by](#), [summarise](#), [context](#), [filter](#), [mutate](#), [across](#), [reexports](#), [na_if](#), [distinct](#)

Examples

```
## Not run:  
if(interactive()){  
  #EXAMPLE1  
}  
  
## End(Not run)
```

```
toxval.source_push_mapped_chemicals  
    toxval.source_push_mapped_chemicals
```

Description

Orchestrates the push of mapped chemical information to the selected toxval_source database. Uses the map_curated_chemicals() helper function to generate mapped input.

Usage

```
toxval.source_push_mapped_chemicals(  
    db,  
    source.index,  
    curated.path,  
    ignore.curation.dups = FALSE,  
    match.chemical.id = TRUE,  
    reset.mapping = FALSE,  
    bulk.push = TRUE  
)
```

Arguments

db	The version of toxval source database to use.
source.index	The source chemical index. Can be full or just numeric (ex. ToxVal00001 vs. 00001)
curated.path	Input path to the folder directory with expected subdirectories of #'BIN Files', 'DSSTox Files', and 'jira_chemical_files'
ignore.curation.dups	Boolean whether to match with any curated records flagged as "unresolved duplicates" (Default FALSE)
match.chemical.id	Boolean whether to match by provided chemical_id external identifier (Default TRUE)
reset.mapping	Boolean whether to reset chemical mappings in source_chemical table of database
bulk.push	Boolean whether to bulk push updates, or one at a time. Default is TRUE

Details

DETAILS

Value

None. Update SQL statements are executed.

See Also

[read_excel](#), [rename](#), [distinct](#), [mutate](#), [select](#), [mutate-joins](#), [filter](#), [bind](#)

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

```
update_chemical_preferred_info_by_dtssid
```

```
  update_chemical_preferred_info_by_dtssid
```

Description

Set the name and casrn in the source_chemical table based on CCTE API

Usage

```
update_chemical_preferred_info_by_dtssid(source.db)
```

Arguments

source.db The database version to use

Details

DETAILS

Value

None

See Also

[GET][httr::GET], [content][httr::content], [POST][httr::POST], [accept_json][httr::accept_json],
[content_type_json][httr::content_type_json], [add_headers][httr::add_headers] [bind_rows][dplyr::bind_rows],
[select][dplyr::select], [mutate][dplyr::mutate], [n][dplyr::n]

Examples

```
## Not run:
if(interactive()){
  #EXAMPLE1
}

## End(Not run)
```

`%>%`*Pipe operator*

Description

See `magrittr::%>%` for details.

Usage

```
lhs %>% rhs
```

Arguments

<code>lhs</code>	A value or the <code>magrittr</code> placeholder.
<code>rhs</code>	A function call using the <code>magrittr</code> semantics.

Value

The result of calling `'rhs(lhs)'`.

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