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Version 2 SDS No. Exempt, SR&D

MOEL's Public Notice No. 2023-9 (Standards for Classification and Labeling of Chemical Substances and Safety Data Sheets)

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Identifier** 

Product Description: <u>Dess-Martin periodinane</u>

 Cat No.:
 \$60290

 CAS No
 87413-09-0

 Molecular Formula
 C13 H13 IO8

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals.
Uses advised against No Information available

Details of the supplier of the safety data sheet

Importer Supplier

Fisher Scientific Korea Thermo Fisher Scientific Chemicals, Inc.

D5,D6, Incheon Airport Logistics Complex 30 Bond Street

150, Gonghangdong-Ro 296 Beon-Gil Ward Hill, MA 01835-8099

Jung-Gu, Incheon Tel: +82-1661-9555 Fax: +82-2-2023-0603

E-mail address Chem.KR@thermofisher.com

**Emergency Telephone Number** 

Emergency telephone: Medical: +(82) 070-7686-0086 or + 1-703-741-5970

CHEMTREC: 080 822 1374 (Local), CHEMTREC: 1-800-424-9300 or + 1-703-527-3887

Korea: 00-308-13-2549 (24 hours a day, 7 days a week)

# **SECTION 2: HAZARDS IDENTIFICATION**

#### Classification of the substance or mixture

### Physical hazards

Oxidizing solids Category 2

#### **Health hazards**

Skin Corrosion/IrritationCategory 2Serious Eye Damage/Eye IrritationCategory 2Specific target organ toxicity - (single exposure)Category 3

#### **Environmental hazards**

Based on available data, the classification criteria are not met

# Label Elements

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Signal Word Danger

### **Hazard Statements**

H272 - May intensify fire; oxidizer

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

### **Precautionary Statements**

### Prevention

P264 - Wash hands and face thoroughly after handling

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P220 - Keep away from clothing and other combustible materials

P280 - Wear protective gloves/protective clothing/eye protection/face protection

#### Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P321 - Specific treatment (see supplemental first aid instructions on this label)

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P362 + P364 - Take off contaminated clothing and wash it before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

#### Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

P405 - Store locked up

#### **Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

#### Other Hazards

This product does not contain any known or suspected endocrine disruptors

NFPA

HealthFlammabilityInstabilityPhysical hazards200- OX

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### 3.1. Substances

Component	Common Name	CAS No	Index No	Weight %
1,2-Benziodoxol-3(1H)-one,	No information	87413-09-0	Not listed	99 - 100
1,1,1-tris(acetyloxy)-1,1-dihydro-	available			

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# **SECTION 4: FIRST AID MEASURES**

Description of first aid measures

**General Advice** If symptoms persist, call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get

medical attention.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists,

call a physician.

Ingestion Clean mouth with water and drink afterwards plenty of water. Get medical attention if

symptoms occur.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if

symptoms occur.

Self-Protection of the First Aider Ensure that medical personnel are aware of the material(s) involved, take precautions to

protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

None reasonably foreseeable.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

# **SECTION 5: FIREFIGHTING MEASURES**

### Extinguishing media

### **Suitable Extinguishing Media**

Carbon dioxide (CO<sub>2</sub>). Powder. Water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

### Extinguishing media which must not be used for safety reasons

No information available.

### Special hazards arising from the substance or mixture

Oxidizer: Contact with combustible/organic material may cause fire. May ignite combustibles (wood paper, oil, clothing, etc.).

#### **Hazardous Combustion Products**

Carbon monoxide (CO), Carbon dioxide (CO2), Hydrogen iodide.

#### Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.

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#### **Environmental precautions**

Should not be released into the environment. See Section 12 for additional Ecological Information.

### Methods and Material for Containment and Cleaning Up

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

### Reference to Other Sections

Refer to protective measures listed in Sections 8 and 13.

# **SECTION 7: HANDLING AND STORAGE**

### Precautions for Safe Handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Handle under an inert atmosphere. Keep away from clothing and other combustible materials.

#### Conditions for Safe Storage, Including any Incompatibilities

Store in freezer. Store under an inert atmosphere. Protect from moisture. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near combustible materials.

#### Specific End Uses

Use in laboratories.

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### Control Parameters

Component	CAS No	Korea	ACGIH TLV	OSHA PEL
1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not listed	Not listed	Not listed
1,1,1-tris(acetyloxy)-1,1-dihy				
dro-				

Component	CAS No	European Union	The United Kingdom	Germany
1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not listed	Not listed	Not listed
1,1,1-tris(acetyloxy)-1,1-dihy				
dro-				

#### **ACGIH - Biological Exposure Indices**

Component	CAS No	ACGIH - Biological Exposure Indices
1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not listed
1,1,1-tris(acetyloxy)-1,1-dihy		
dro-		

### **Exposure Controls**

#### **Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source

### Personal protective equipment

Eye Protection Goggles
Hand Protection Protective gloves
Skin and body protection Long sleeved clothing

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Inspect gloves before use.

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. (Refer to manufacturer/supplier for information)

Ensure gloves are suitable for the task: Chemical compatability, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.

Remove gloves with care avoiding skin contamination.

Personal protective equipment

**Respiratory Protection** 

Use only those certified by the Korea Occupational Safety and Health Administration. When workers are facing concentrations above the exposure limit they must use

appropriate certified respirators

**Recommended Filter type:** 

Particulates filter conforming to EN 143

To protect the wearer, respiratory protective equipment must be the correct fit and be used

and maintained properly

When RPE is used a face piece Fit Test should be conducted

Handle in accordance with good industrial hygiene and safety practice **Hygiene Measures** 

Environmental exposure controls No information available

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

Appearance (Physical State, Color, Solid

etc.)

No information available Odor **Odor Threshold** No data available No information available pН

**Melting Point/Range** 130 - 132 °C / 266 - 269.6 °F

**Softening Point** 

**Boiling Point/Range** 

No information available

Flash Point No information available

Method - No information available

Solid

Solid

(with decomposition)

**Evaporation Rate** 

Flammability (solid,gas)

**Explosion Limits** 

Not applicable No information available

No data available

No data available

**Vapor Pressure** No data available Vapor Density Not applicable

Specific Gravity / Density No data available

**Bulk Density** No data available **Water Solubility** Reacts with water No information available Solubility in other solvents

Partition Coefficient (n-octanol/water)

Component	CAS No	log Pow
1,2-Benziodoxol-3(1H)-one,	87413-09-0	No data available
1,1,1-tris(acetyloxy)-1,1-dihydro-		

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Autoignition Temperature
Decomposition Temperature

Decomposition Temperature No data available Viscosity Not applicable

**Explosive Properties** No information available

Oxidizing Properties Oxidizer

Molecular FormulaC13 H13 IO8Molecular Weight424.15

# **SECTION 10: STABILITY AND REACTIVITY**

Reactivity

Yes

Chemical Stability

Air sensitive. Moisture sensitive. Light sensitive. Oxidizer: Contact with combustible/organic

Solid

material may cause fire.

No data available

Possibility of Hazardous Reactions

**Hazardous Polymerization Hazardous Reactions**No information available.
None under normal processing.

**Conditions to Avoid** 

Exposure to moist air or water. Incompatible products. Excess heat. Combustible material.

Incompatible Materials

Strong reducing agents. Combustible material.

**Hazardous Decomposition Products** 

Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen iodide.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### **Product Information**

Information on expected route of exposure

InhalationNot an expected route of exposure.IngestionMay be harmful if swallowed.

Eyes Avoid contact with eyes. Irritating to eyes.
Skin Avoid contact with skin. May cause irritation.

Information on Health Hazards

(a) acute toxicity;

OralNo data availableDermalNo data availableInhalationNo data available

Component	CAS No	LD50 Oral	LD50 Dermal	LC50 Inhalation
1,2-Benziodoxol-3(1H)-one,	87413-09-0	No data available	No data available	No data available
1.1.1-tris(acetyloxy)-1.1-dihydro-				

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(b) skin corrosion/irritation; Category 2

(c) serious eye damage/irritation; Category 2

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

	Component	CAS No	Test method	Test species	Study result
Ī	1,2-Benziodoxol-3(1H)-one,	87413-09-0	No data available	No data available	No data available
1	1,1,1-tris(acetyloxy)-1,1-dihydro-				

# (e) germ cell mutagenicity; No data available

Component	CAS No	Test method	Test species	Study result
1,2-Benziodoxol-3(1H)-one,	87413-09-0	No data available	No data available	No data available
1,1,1-tris(acetyloxy)-1,1-dihydro-				

# (f) carcinogenicity; No data available

Component	CAS No	Test method	Test species / Duration	Study result
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	No data available	No data available	No data available

There are no known carcinogenic chemicals in this product

Component	CAS No	IARC	NTP	ACGIH	OSHA	UK
1,2-Benziodoxol-3(1H)	87413-09-0	Not listed				
-one,						
1,1,1-tris(acetyloxy)-1,						
1-dihydro-						

(g) reproductive toxicity; No data available

Component	CAS No	Test method	Test species / Duration	Study result
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	No data available	No data available	No data available

(h) STOT-single exposure; Category 3

Results / Target organs Respiratory system.

(i) STOT-repeated exposure; No data available

Target OrgansNo information available.

(j) aspiration hazard; Not applicable

Solid

Other Adverse Effects
No information available.

Component	CAS No	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

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**SECTION 12: ECOLOGICAL INFORMATION** 

**Ecotoxicity effects** Reacts with water so no ecotoxicity data for the substance is available.

Component CAS No Freshwater Fish Water Flea Freshwater Algae **Microtox** 1,2-Benziodoxol-3(1H)-one, 87413-09-0 No data available No data available No data available No data available 1,1,1-tris(acetyloxy)-1,1-dihydro-

Persistence and degradability

No information available

**Persistence** 

Persistence is unlikely, based on information available.

Degradability Degradation in sewage Reacts with water.

treatment plant

Water reactive.

Bioaccumulative potential

Product does not bioaccumulate due to reaction with water

Mobility in soil

Reacts with water Is not likely mobile in the environment.

**Ozone Depletion Potential** 

	Component	CAS No	Ozone Depletion Potential
Ī	1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not listed
	1,1,1-tris(acetyloxy)-1,1-dihydro-		

Other adverse effects No information available

# **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods

Waste from Residues/Unused

**Products** 

Waste is classified as hazardous. Dispose in accordance with the Wastes Control Act

(폐기물관리법).

**Contaminated Packaging** 

Dispose of this container to hazardous or special waste collection point.

Other Information

Waste codes should be assigned by the user based on the application for which the product

was used. Do not empty into drains.

# **SECTION 14: TRANSPORT INFORMATION**

**Road and Rail Transport** 

**UN-No** UN1479

**Proper Shipping Name** Oxidizing solid, n.o.s.

**Technical Shipping Name** (1,1,1-Triacetoxy-1,1-dihydro-1,2-benziodoxol-3(1H)-one)

**Hazard Class** 5.1 **Packing Group** Ш

IATA

UN1479 **UN-No** 

**Proper Shipping Name** Oxidizing solid, n.o.s.

**Technical Shipping Name** (1,1,1-Triacetoxy-1,1-dihydro-1,2-benziodoxol-3(1H)-one)

**Hazard Class** 5.1 **Packing Group** 

Ш

IMDG/IMO

UN1479 **UN-No** 

**Proper Shipping Name** Oxidizing solid, n.o.s.

(1,1,1-Triacetoxy-1,1-dihydro-1,2-benziodoxol-3(1H)-one) **Technical Shipping Name** 

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Hazard Class 5.1

Packing Group III
Marine Pollutant No hazards identified

Special Precautions for User No special precautions required

# **SECTION 15: REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture

Legend: X - Listed '-' - Not Listed

# **International Inventories**

Component	CAS No	KECL	TSCA	EINECS	IECSC	DSL	NDSL	PICCS	ENCS	ISHL	AICS
1,2-Benziodoxol-3(1H)-one,	87413-09-0	-	-	-	-	-	-	-	-	Х	-
1,1,1-tris(acetyloxy)-1,1-dihy											
dro-							l				

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention (Hazardous Waste)
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydr o-	87413-09-0	Not applicable	Not applicable	Not applicable	Not applicable

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential
1,2-Benziodoxol-3(1H)-one, 1.1.1-tris(acetyloxy)-1.1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

# **Korean National Regulations**

Component	CAS No	Act on Registration and Evaluation of Chemical Substances (K-REACH)	Authorised Chemicals	Existing Substances Subject to Registration
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

Component	CAS No	Chemical Control Act - Toxic Chemicals	Chemical Control Act - Prohibited Chemicals	Chemical Control Act - Use Restricted Chemicals
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

Component	CAS No	Chemical Control Act - Accident Precaution Chemicals (% in mixtures)	Chemical Control Act - Accident Precaution Chemicals - Quantity limits Storage (% in mixtures)	Chemical Control Act - Accident Precaution Chemicals - Quantity limits Manufacture/Use (% in mixtures)
1,2-Benziodoxol-3(1H)-one, 1.1.1-tris(acetyloxy)-1.1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

Component	CAS No	Waste Control Law	Ministry of Environment - CMR risk	Ministry of Environment - Critically Controlled Substance
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

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Component	CAS No	ISHA - Harmful Agents Subject to Work Environment Monitoring	ISHA - Prohibited substances	ISHA - Substances requiring permission
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

Component	CAS No	ISHA - Substances subject to control	ISHA - Harmful Agents Requiring Health Examination	ISHA - Permissible Exposure Limits
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

Component	CAS No	ISHA - Subject to Process Safety Reports (minimum quantity)	ISHA - Threshold Limit Values (TLVs) Chemicals	ISHA - Special management materials
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

# National Fire Association - Dangerous Substances Minimum quantity requiring a permit

Component	CAS No	Class 1 - Oxidising solids	solid	Class 3 - Spontaneously Combustible Substances and Dangerous Substances When Wet	liquids	Class 5 - Self-reactive substances	Class 6 - Oxidising liquids
1,2-Benziodoxol-3(1H)-o ne, 1,1,1-tris(acetyloxy)-1,1- dihydro-		Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

# **NFA Dangerous Substances Classification**

Class 1.11 (Containing 1-10) - 50 kg

### **Control Parameters**

Component	CAS No	Korea	ACGIH - Biological Exposure Indice	
1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not listed	Not listed	
1,1,1-tris(acetyloxy)-1,1-dihydro-				

# **US Management Information**

**OSHA** - Occupational Safety and Health Administration

Not applicable

tot applicable							
Component	CAS No	Specifically Regulated	Highly Hazardous Chemicals				
		Chemicals					
1,2-Benziodoxol-3(1H)-one,	87413-09-0	Not applicable	Not applicable				
1,1,1-tris(acetyloxy)-1,1-dihydro-							

CERCLA Not applicable

Component	CAS No	CERCLA Extremely Hazardous Substances RQs	Hazardous Substances RQs	SARA 313 - Threshold Values %
1,2-Benziodoxol-3(1H)-one, 1,1,1-tris(acetyloxy)-1,1-dihydro-	87413-09-0	Not applicable	Not applicable	Not applicable

# GHS Classification - According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Danger.

H272 - May intensify fire; oxidizer. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.

P280 - Wear protective gloves/protective clothing/eye protection/face protection. P221 - Take any precaution to avoid mixing with combustibles. P371 + P380 + P375 - In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P337 + P313 - If eye irritation persists: Get medical advice/attention. P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER or doctor if you feel unwell. P332 + P313 - If skin irritation occurs: Get medical advice/attention. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

# **SECTION 16: OTHER INFORMATION**

#### Legend

CAS - Chemical Abstracts Service

EINECS/ELINCS - European Inventory of Existing Commercial Chemical DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances/EU List of Notified Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances **IECSC** - Chinese Inventory of Existing Chemical Substances **KECL** - Korean Existing and Evaluated Chemical Substances

WEL - Workplace Exposure Limit

ACGIH - American Conference of Governmental Industrial Hygienists

RPE - Respiratory Protective Equipment

LC50 - Lethal Concentration 50%

POW - Partition coefficient Octanol:Water

ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

IMO/IMDG - International Maritime Organization/International Maritime Dangerous Goods Code

**OECD** - Organisation for Economic Co-operation and Development

**BCF** - Bioconcentration factor

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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Substances List

**ENCS** - Japanese Existing and New Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

TWA - Time Weighted Average

IARC - International Agency for Research on Cancer

LD50 - Lethal Dose 50%

EC50 - Effective Concentration 50%

ICAO/IATA - International Civil Aviation Organization/International Air

Transport Association

MARPOL - International Convention for the Prevention of Pollution from

Ships

ATE - Acute Toxicity Estimate VOC - (Volatile Organic Compound)

### Key literature references and sources for data

https://echa.europa.eu/information-on-chemicals

Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

### **Training Advice**

Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.

**Prepared By** Health, Safety and Environmental Department

**Creation Date** 15-Apr-2015 **Revision Date** 12-Jun-2024

**Revision Number** 

**Revision Summary** New emergency telephone response service provider.

# MOEL's Public Notice No. 2023-9 (Standards for Classification and Labeling of Chemical **Substances and Safety Data Sheets)**

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other

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materials or in any process, unless specified in the text

**End of Safety Data Sheet**