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SDS No. Exempt, SR&D

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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 THECOMPANY/UNDERTAKING

**Product Identifier** 

Product Description: Cycloheximide

Cat No. : 357420000; 357420010; 357420050; 357420250

Synonyms Actidione
CAS No 66-81-9
Molecular Formula C15 H23 N O4

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 Acros Organics BVBA
D5,D6, Incheon Airport Logistics Complex Janssen Pharmaceuticalaan 3a
150, Gonghangdong-Ro 296 Beon-Gil 2440 Geel, Belgium

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

Based on available data, the classification criteria are not met

**Health hazards** 

Acute Oral Toxicity
Category 2
Germ Cell Mutagenicity
Category 2
Reproductive Toxicity
Category 1B

**Environmental hazards** 

Chronic aquatic toxicity Category 2

....

#### Label Elements



## Signal Word Danger

#### **Hazard Statements**

H300 - Fatal if swallowed

H341 - Suspected of causing genetic defects

H360 - May damage fertility or the unborn child

H411 - Toxic to aquatic life with long lasting effects

## **Precautionary Statements**

#### Prevention

P201 - Obtain special instructions before use

P264 - Wash hands and face thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P202 - Do not handle until all safety precautions have been read and understood

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

P273 - Avoid release to the environment

## Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor

P330 - Rinse mouth

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P391 - Collect spillage

## **Storage**

P405 - Store locked up

## Disposal

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

# Other Hazards

Toxic to terrestrial vertebrates

This product does not contain any known or suspected endocrine disruptors

#### NFPA

HealthFlammabilityInstabilityPhysical hazards410N/A

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

#### 3.1. Substances

| Component     | Common Name | CAS No  | Index No | Weight % |
|---------------|-------------|---------|----------|----------|
| Cycloheximide | Actidione   | 66-81-9 | KE-11716 | 99 - 100 |

# **SECTION 4: FIRST AID MEASURES**

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Description of first aid measures

**General Advice** Show this safety data sheet to the doctor in attendance. Immediate medical attention is

required.

Eye Contact In the case of contact with eyes, rinse immediately with plenty of water and seek medical

advice.

**Skin Contact** Wash off immediately with plenty of water for at least 15 minutes. Immediate medical

attention is required.

**Ingestion** Do NOT induce vomiting. Call a physician or poison control center immediately.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. Do not use mouth-to-mouth

method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Immediate medical attention is required.

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**

Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

# Extinguishing media which must not be used for safety reasons

No information available.

# Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.

#### **Hazardous Combustion Products**

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>).

#### Advice for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### Personal Precautions, Protective Equipment and Emergency Procedures

Use personal protective equipment as required. Ensure adequate ventilation. Avoid dust formation. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas.

## **Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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#### Methods and Material for Containment and Cleaning Up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

#### 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. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Use only under a chemical fume hood. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

#### Specific End Uses

Use in laboratories.

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

#### **Control Parameters**

| Component     | CAS No  | Korea      | ACGIH TLV  | OSHA PEL   |
|---------------|---------|------------|------------|------------|
| Cycloheximide | 66-81-9 | Not listed | Not listed | Not listed |

| Component     | CAS No  | European Union | The United Kingdom | Germany    |
|---------------|---------|----------------|--------------------|------------|
| Cycloheximide | 66-81-9 | Not listed     | Not listed         | Not listed |

**ACGIH - Biological Exposure Indices** 

| Component     | CAS No  | ACGIH - Biological Exposure Indices |
|---------------|---------|-------------------------------------|
| Cycloheximide | 66-81-9 | Not listed                          |

## **Exposure Controls**

## **Engineering Measures**

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

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**Wear appropriate protective gloves and clothing to prevent skin exposure

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.

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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

Environmental exposure controls Prevent product from entering drains Do not allow material to contaminate ground water

system

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

Information on basic physical and chemical properties

Appearance (Physical State, Color, Beige Powder Solid

etc.)

Odor No information available
Odor Threshold No data available
pH No information available

Melting Point/Range 107 - 114 °C / 224.6 - 237.2 °F

Softening Point No data available
Boiling Point/Range No information available

Flash Point No information available Method - No information available

Evaporation Rate Not applicable Solid

Flammability (solid,gas) No information available

Explosion Limits No data available

Vapor PressureNo data availableVapor DensityNot applicable

Specific Gravity / Density
Bulk Density
Water Solubility
Solubility in other solvents

No data available
No data available
2.1 g/100ml (2 °C)
No information available

Partition Coefficient (n-octanol/water)

| Component     | CAS No  | log Pow |
|---------------|---------|---------|
| Cycloheximide | 66-81-9 | 0.55    |

Solid

Autoignition Temperature Not applicable

**Decomposition Temperature** No data available

Viscosity Not applicable Solid

Explosive Properties No information available Oxidizing Properties No information available

Molecular Formula C15 H23 N O4

Molecular Weight 281.35

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# **SECTION 10: STABILITY AND REACTIVITY**

Reactivity

None known, based on information available

<u>Chemical Stability</u>
Stable under normal conditions.

**Possibility of Hazardous Reactions** 

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Hazardous Reactions** None under normal processing.

Conditions to Avoid Avoid dust formation. Incompatible products. Excess heat.

Incompatible Materials

Strong oxidizing agents. Strong bases. Acid anhydrides. Acid chlorides.

**Hazardous Decomposition Products** 

Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2).

## **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

**Inhalation** Avoid breathing dust or spray mist. May be harmful if inhaled.

IngestionMay be harmful if swallowed.EyesAvoid contact with eyes.SkinAvoid contact with skin.

Information on Health Hazards

(a) acute toxicity;

Oral Category 2
Dermal No data available
Inhalation No data available

| Component     | CAS No  | LD50 Oral                | LD50 Dermal       | LC50 Inhalation   |
|---------------|---------|--------------------------|-------------------|-------------------|
| Cycloheximide | 66-81-9 | LD50 = 5.1 mg/kg ( Rat ) | No data available | No data available |

(b) skin corrosion/irritation; No data available

(c) serious eye damage/irritation; No data available

(d) respiratory or skin sensitization;

Respiratory No data available Skin No data available

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| Component CAS No |         | Test method       | Test species      | Study result      |
|------------------|---------|-------------------|-------------------|-------------------|
| Cycloheximide    | 66-81-9 | No data available | No data available | No data available |

(e) germ cell mutagenicity; Category 2

| Component     | CAS No  | Test method       | Test species      | Study result      |
|---------------|---------|-------------------|-------------------|-------------------|
| Cycloheximide | 66-81-9 | No data available | No data available | No data available |

Possible risk of irreversible effects

(f) carcinogenicity; No data available

| Component     | CAS No  | Test method       | Test species /<br>Duration | Study result      |
|---------------|---------|-------------------|----------------------------|-------------------|
| Cycloheximide | 66-81-9 | 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         |
|---|---------------|---------|------------|------------|------------|------------|------------|
| Ī | Cycloheximide | 66-81-9 | Not listed |

(g) reproductive toxicity; No data available

| Component     | CAS No  | Test method       | Test species /<br>Duration | Study result      |
|---------------|---------|-------------------|----------------------------|-------------------|
| Cycloheximide | 66-81-9 | No data available | No data available          | No data available |

Developmental Effects Teratogenicity

May cause harm to the unborn child. May cause harm to the unborn child.

(h) STOT-single exposure; No data available

(i) STOT-repeated exposure; No data available

Target Organs None known.

(j) aspiration hazard; Not applicable

Solid

Other Adverse Effects

No information available.

|     | Component     | CAS No  |                | EU - Endocrine<br>Disruptors - Evaluated<br>Substances | Japan - Endocrine<br>Disruptor Information |
|-----|---------------|---------|----------------|--|--|
| - 1 |               |         | List           | Substances   |  |
|     | Cycloheximide | 66-81-9 | Not applicable | Not applicable   | Not applicable                             |

# **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity effects Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment. The product contains following substances which are hazardous for the

environment.

| Component     | CAS No  | Freshwater Fish   | Water Flea        | Freshwater Algae  | Microtox          |
|---------------|---------|-------------------|-------------------|-------------------|-------------------|
| Cycloheximide | 66-81-9 | No data available | No data available | No data available | No data available |

Persistence and degradability

Persistence Persistence is unlikely.

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Degradation in sewage treatment plant

Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Bioaccumulative potential Bioaccumulation is unlikely

| Ī | Component     | log Pow | Bioconcentration factor (BCF) |
|---|---------------|---------|-------------------------------|
|   | Cycloheximide | 0.55    | No data available             |

<u>Mobility in soil</u>

The product is water soluble, and may spread in water systems . Will likely be mobile in the environment due to its water solubility. Highly mobile in soils.

**Ozone Depletion Potential** 

| Component     | CAS No  | Ozone Depletion Potential |
|---------------|---------|---------------------------|
| Cycloheximide | 66-81-9 | Not listed                |

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 Do not flush to sewer. Waste codes should be assigned by the user based on the

application for which the product was used. Do not empty into drains. Do not let this

chemical enter the environment.

# **SECTION 14: TRANSPORT INFORMATION**

**Road and Rail Transport** 

**UN-No** UN2811

Proper Shipping Name TOXIC SOLID, ORGANIC, N.O.S.

Technical Shipping Name Cycloheximide

Hazard Class 6.1 Packing Group

**IATA** 

UN-No UN2811

Proper Shipping Name TOXIC SOLID, ORGANIC, N.O.S.

Technical Shipping Name Cycloheximide

Hazard Class 6.1
Packing Group

IMDG/IMO

UN-No UN2811

Proper Shipping Name TOXIC SOLID, ORGANIC, N.O.S.

Technical Shipping Name Cycloheximide

Hazard Class 6.1 Packing Group II

Marine Pollutant Dangerous for the environment

Product is a marine pollutant according to the criteria set by IMDG/IMO

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 |
|---------------|---------|----------|------|-----------|-------|-----|------|-------|------|------|------|
| Cycloheximide | 66-81-9 | KE-11716 | -    | 200-636-0 | Χ     | -   | -    | Х     | Χ    | Χ    | Х    |

| Component     | CAS No  | Seveso III Directive<br>(2012/18/EC) -<br>Qualifying Quantities | Seveso III Directive<br>(2012/18/EC) -<br>Qualifying Quantities | Rotterdam<br>Convention (PIC) | Basel Convention (Hazardous Waste) |
|---------------|---------|---|---|-------------------------------|------------------------------------|
|               |         | for Major Accident  | for Safety Report   |                               |                                    |
|               |         | Notification  | Requirements  |                               |                                    |
| Cycloheximide | 66-81-9 | Not applicable  | Not applicable  | Not applicable                | Not applicable                     |

| Component     | CAS No  | OECD HPV       | Persistent Organic<br>Pollutant | Ozone Depletion<br>Potential |
|---------------|---------|----------------|---------------------------------|------------------------------|
| Cycloheximide | 66-81-9 | Not applicable | Not applicable                  | Not applicable               |

# **Korean National Regulations**

| Component     | CAS No  | Act on Registration and<br>Evaluation of Chemical<br>Substances (K-REACH) |        | Ministry of Environment -<br>Critically Controlled<br>Substance |
|---------------|---------|---|--------|---|
| Cycloheximide | 66-81-9 | Annex 1 - KE-11716  | Listed | CMR   |

| Component     | CAS No  | Chemical Control Act -<br>Acute Hazard to Human<br>Health | Chemical Control Act -<br>Chronic Hazard to<br>Human Health | Chemical Control Act -<br>Ecological Hazard |
|---------------|---------|---|---|---|
| Cycloheximide | 66-81-9 | 97-1-147<br>(>=1%)  | 97-1-147<br>(>=0.3%)  | Not applicable                              |

| Component     | CAS No  | Chemical Control Act -<br>Accident Precaution<br>Chemicals (% in<br>mixtures) | Chemical Control Act -<br>Accident Precaution<br>Chemicals - Quantity<br>limits Storage (% in<br>mixtures) | Chemical Control Act -<br>Accident Precaution<br>Chemicals - Quantity<br>limits Manufacture/Use<br>(% in mixtures) |
|---------------|---------|---|--|--|
| Cycloheximide | 66-81-9 | Not applicable  | Not applicable   | Not applicable   |

| Component     | CAS No  | Chemical Control Act -<br>Prohibited Chemicals | Chemical Control Act -<br>Use Restricted<br>Chemicals | Chemical Control Act -<br>Authorised Chemicals |
|---------------|---------|--|---|--|
| Cycloheximide | 66-81-9 | Not applicable                                 | Not applicable  | Not applicable                                 |

| Component     | CAS No  | Waste Control Law |
|---------------|---------|-------------------|
| Cycloheximide | 66-81-9 | > 0.2% (CCA)      |

# CCA = Chemical Control Act

| Component     | CAS No  | ISHA - Harmful Agents<br>Subject to Work<br>Environment Monitoring | ISHA - Prohibited substances | ISHA - Substances requiring permission |
|---------------|---------|--|------------------------------|--|
| Cycloheximide | 66-81-9 | Not applicable   | Not applicable               | Not applicable                         |

| Component     | CAS No  | ISHA - Substances<br>subject to control | ISHA - Harmful Agents Requiring Health Examination | ISHA - Permissible<br>Exposure Limits |
|---------------|---------|---|--|---------------------------------------|
| Cycloheximide | 66-81-9 | Not applicable                          | Not applicable                                     | Not applicable                        |

| Component | CAS No | ISHA - Subject to | ISHA - Threshold Limit | ISHA - Special |
|-----------|--------|-------------------|------------------------|----------------|
|-----------|--------|-------------------|------------------------|----------------|

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|               |         | Process Safety Reports | Values (TLVs) Chemicals | management materials |
|---------------|---------|------------------------|-------------------------|----------------------|
|               |         | (minimum quantity)     |                         |                      |
| Cycloheximide | 66-81-9 | Not applicable         | Not applicable          | Not applicable       |

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

| Component     | CAS No  | Class 1 -<br>Oxidising<br>solids | Class 2 -<br>Flammable<br>solid | Class 3 -<br>Spontaneously<br>Combustible<br>Substances<br>and Dangerous<br>Substances<br>When Wet | liquids        | Class 5 -<br>Self-reactive<br>substances | Class 6 -<br>Oxidising<br>liquids |
|---------------|---------|----------------------------------|---------------------------------|--|----------------|--|-----------------------------------|
| Cycloheximide | 66-81-9 | Not applicable                   | Not applicable                  | Not applicable   | Not applicable | Not applicable                           | Not applicable                    |

#### **Control Parameters**

| Component     | CAS No  | Korea      | ACGIH - Biological Exposure Indices |  |
|---------------|---------|------------|-------------------------------------|--|
| Cycloheximide | 66-81-9 | Not listed | Not listed                          |  |

#### **US Management Information**

**OSHA** - Occupational Safety and Health Administration

Not applicable

| Co  | omponent    | CAS No  | Specifically Regulated<br>Chemicals | Highly Hazardous Chemicals |  |
|-----|-------------|---------|-------------------------------------|----------------------------|--|
| Сус | cloheximide | 66-81-9 | Not applicable                      | Not applicable             |  |

**CERCLA** 

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355)

| Component     | CAS No  | CERCLA Extremely<br>Hazardous Substances<br>RQs | Hazardous Substances<br>RQs | SARA 313 - Threshold<br>Values % |
|---------------|---------|---|-----------------------------|----------------------------------|
| Cycloheximide | 66-81-9 | 100 lb  | Not applicable              | Not applicable                   |

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

Danger.

H300 - Fatal if swallowed. H341 - Suspected of causing genetic defects. H360D - May damage the unborn child. H411 - Toxic to aquatic life with long lasting effects.

P201 - Obtain special instructions before use. P264 - Wash face, hands and any exposed skin thoroughly after handling. P280 -Wear protective gloves/protective clothing/eye protection/face protection. P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P308 + P313 - IF exposed or concerned: Get medical advice/attention. P405 - Store locked up.

## **SECTION 16: OTHER INFORMATION**

#### Legend

**CAS** - Chemical Abstracts Service

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

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

Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances IECSC - Chinese Inventory of Existing Chemical Substances

**ENCS** - Japanese Existing and New Chemical Substances AICS - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

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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

**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.

Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.

First aid for chemical exposure, including the use of eye wash and safety showers.

**Creation Date** 14-Apr-2014 **Revision Date** 07-Aug-2025

Revision Number

**Revision Summary** SDS sections updated.

# 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 materials or in any process, unless specified in the text

**End of Safety Data Sheet**