

## Atropine Sulfate Formulation

Version 2.0      Revision Date: 2020/12/22      SDS Number: 7665465-00002      Date of last issue: 2020/12/14  
Date of first issue: 2020/12/14

### 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical product name : Atropine Sulfate Formulation

#### Supplier's company name, address and phone number

Company name of supplier : MSD

Address : Kumagaya, Saitama Prefecture , Xicheng 810 MSD Co., Ltd.  
Menuuma factory

Telephone : 048-588-8411

E-mail address : EHSDATASTEWARD@msd.com

Emergency telephone number : +1-908-423-6000

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product

### 2. HAZARDS IDENTIFICATION

#### GHS classification of chemical product

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

#### GHS label elements

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

#### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

| Chemical name    | CAS-No.   | Concentration (% w/w) | ENCS No. |
|------------------|-----------|-----------------------|----------|
| Benzyl alcohol   | 100-51-6  | >= 1 - < 10           | 3-1011   |
| Atropine Sulfate | 5908-99-6 | >= 0.1 - < 1          |          |

### 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.

If inhaled : If inhaled, remove to fresh air.  
Get medical attention.

In case of skin contact : In case of contact, immediately flush skin with soap and plenty

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|---|--|
| <p>   </p> <p>In case of eye contact</p>                                      | <p>: of water.<br/>       Remove contaminated clothing and shoes.<br/>       Get medical attention.<br/>       Wash clothing before reuse.<br/>       Thoroughly clean shoes before reuse.</p>   |
| <p>   </p> <p>If swallowed</p>  | <p>: Flush eyes with water as a precaution.<br/>       Get medical attention if irritation develops and persists.</p> <p>: If swallowed, DO NOT induce vomiting.<br/>       Get medical attention.<br/>       Rinse mouth thoroughly with water.</p> |
| <p>   </p> <p>Most important symptoms and effects, both acute and delayed</p> | <p>: None known.</p>   |
| <p>   </p> <p>Protection of first-aiders</p>                                  | <p>: First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).</p>   |
| <p>   </p> <p>Notes to physician</p>  | <p>: Treat symptomatically and supportively.</p>   |

## 5. FIREFIGHTING MEASURES

|   |  |
|---|--|
| <p>Suitable extinguishing media</p>                             | <p>: Water spray<br/>       Alcohol-resistant foam<br/>       Carbon dioxide (CO<sub>2</sub>)<br/>       Dry chemical</p>  |
| <p>Unsuitable extinguishing media</p>                           | <p>: None known.</p>   |
| <p>   </p> <p>Specific hazards during fire-fighting</p>         | <p>: Exposure to combustion products may be a hazard to health.</p>  |
| <p>   </p> <p>Hazardous combustion products</p>                 | <p>: Carbon oxides<br/>       Metal oxides<br/>       Chlorine compounds</p>   |
| <p>   </p> <p>Specific extinguishing methods</p>                | <p>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br/>       Use water spray to cool unopened containers.<br/>       Remove undamaged containers from fire area if it is safe to do so.<br/>       Evacuate area.</p> |
| <p>   </p> <p>Special protective equipment for firefighters</p> | <p>: In the event of fire, wear self-contained breathing apparatus.<br/>       Use personal protective equipment.</p>  |

## 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| <p>   </p> <p>Personal precautions, protective equipment and emergency procedures</p> | <p>: Use personal protective equipment.<br/>       Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).</p>   |
| <p>   </p> <p>Environmental precautions</p>   | <p>: Avoid release to the environment.<br/>       Prevent further leakage or spillage if safe to do so.<br/>       Prevent spreading over a wide area (e.g. by containment or oil barriers).<br/>       Retain and dispose of contaminated wash water.<br/>       Local authorities should be advised if significant spillages cannot be contained.</p> |

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Methods and materials for containment and cleaning up : Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

### 7. HANDLING AND STORAGE

#### Handling

|                         |   |  |
|-------------------------|---|--|
| Technical measures      | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.  |
| Local/Total ventilation | : | Use only with adequate ventilation.  |
| Advice on safe handling | : | Avoid inhalation of vapour or mist.<br>Do not swallow.<br>Avoid contact with eyes.<br>Avoid prolonged or repeated contact with skin.<br>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment<br>Take care to prevent spills, waste and minimize release to the environment.  |
| Avoidance of contact    | : | Oxidizing agents   |
| Hygiene measures        | : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.<br>When using do not eat, drink or smoke.<br>Wash contaminated clothing before re-use.<br>The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. |

#### Storage

|                             |   |  |
|-----------------------------|---|--|
| Conditions for safe storage | : | Keep in properly labelled containers.<br>Store in accordance with the particular national regulations. |
| Materials to avoid          | : | Do not store with the following product types:<br>Strong oxidizing agents                              |
| Packaging material          | : | Unsuitable material: None known.   |

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Threshold limit value and permissible exposure limits for each component in the work environment

| Components | CAS-No. | Value type | Control parame- | Basis |
|------------|---------|------------|-----------------|-------|
|------------|---------|------------|-----------------|-------|

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|                  |   | (Form of exposure) | ters / Permissible concentration |                |
|------------------|---|--------------------|----------------------------------|----------------|
| Benzyl alcohol   | 100-51-6  | OEL-C              | 25 mg/m <sup>3</sup>             | JP OEL<br>JSOH |
|                  | Further information: Skin sensitizing agent; Group 2 substances which probably induce allergic reactions in humans. |                    |                                  |                |
| Atropine Sulfate | 5908-99-6   | TWA                | 2 µg/m <sup>3</sup> (OEB 4)      |                |
|                  | Further information: Eye  |                    |                                  |                |
|                  |   | Wipe limit         | 20 µg/100 cm <sup>2</sup>        |                |

**Engineering measures** : All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Essentially no open handling permitted. Use closed processing systems or containment technologies. If handled in a laboratory, use a properly designed biosafety cabinet, fume hood, or other containment device if the potential exists for aerosolization. If this potential does not exist, handle over lined trays or benchtops.

**Personal protective equipment**

**Respiratory protection** : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

**Filter type** : Combined particulates and organic vapour type

**Hand protection**

**Material** : Chemical-resistant gloves

**Remarks** : Consider double gloving.

**Eye protection** : Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

**Skin and body protection** : Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state** : liquid

**Colour** : Translucent-colorless to pale yellow

**Odour** : No data available

**Odour Threshold** : No data available

**Melting point/freezing point** : No data available

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|  |   |  |
|--|---|--|
| Boiling point, initial boiling point and boiling range   | : | No data available  |
| Flammability (solid, gas)  | : | Not applicable   |
| Flammability (liquids)   | : | No data available  |
| Lower explosion limit and upper explosion limit / flammability limit<br>Upper explosion limit / Upper flammability limit | : | No data available  |
| Lower explosion limit / Lower flammability limit   | : | No data available  |
| Flash point  | : | No data available  |
| Decomposition temperature  | : | No data available  |
| pH   | : | 3.0 - 6.5  |
| Evaporation rate   | : | No data available  |
| Auto-ignition temperature  | : | No data available  |
| Viscosity<br>Viscosity, kinematic  | : | No data available  |
| Solubility(ies)<br>Water solubility  | : | No data available  |
| Partition coefficient: n-octanol/water   | : | Not applicable   |
| Vapour pressure  | : | No data available  |
| Density and / or relative density<br>Relative density  | : | No data available  |
| Density  | : | 0.900 - 1.100 g/cm <sup>3</sup>                          |
| Relative vapour density  | : | No data available  |
| Explosive properties   | : | Not explosive  |
| Oxidizing properties   | : | The substance or mixture is not classified as oxidizing. |
| Molecular weight   | : | No data available  |
| Particle characteristics<br>Particle size  | : | Not applicable   |

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**10. STABILITY AND REACTIVITY**

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Reactivity : Not classified as a reactivity hazard.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : Can react with strong oxidizing agents.  
Conditions to avoid : None known.  
Incompatible materials : Oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

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**11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 5 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

**Components:****Benzyl alcohol:**

Acute oral toxicity : LD50 (Rat): 1,620 mg/kg  
Acute inhalation toxicity : LC50 (Rat): > 4.178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

**Atropine Sulfate:**

Acute oral toxicity : LD50 (Rat): 500 mg/kg  
LD50 (Mouse): 75 mg/kg  
LD50 (Rabbit): 600 mg/kg  
LD50 (Guinea pig): 1,100 mg/kg

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****Benzyl alcohol:**

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Species : Rabbit  
Method : OECD Test Guideline 404  
Result : No skin irritation

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:****Benzyl alcohol:**

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days  
Method : OECD Test Guideline 405

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:****Benzyl alcohol:**

Test Type : Maximisation Test  
Exposure routes : Skin contact  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : negative

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Benzyl alcohol:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo  
cytogenetic assay)  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

**Atropine Sulfate:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative  
Germ cell mutagenicity -  
Assessment : Weight of evidence does not support classification as a germ  
cell mutagen.

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### Carcinogenicity

Not classified based on available information.

#### Components:

##### **Benzyl alcohol:**

Species : Mouse  
 Application Route : Ingestion  
 Exposure time : 103 weeks  
 Method : OECD Test Guideline 451  
 Result : negative

##### **Atropine Sulfate:**

Species : Rat  
 Application Route : Intraperitoneal injection  
 Exposure time : 28 month(s)  
 NOAEL : 2.5 mg/kg bw/day  
 Result : negative

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

### Reproductive toxicity

Not classified based on available information.

#### Components:

##### **Benzyl alcohol:**

Effects on fertility : Test Type: Fertility/early embryonic development  
 Species: Rat  
 Application Route: Ingestion  
 Result: negative  
 Remarks: Based on data from similar materials

Effects on foetal development : Test Type: Embryo-foetal development  
 Species: Mouse  
 Application Route: Ingestion  
 Result: negative

##### **Atropine Sulfate:**

Effects on fertility : Test Type: Fertility/early embryonic development  
 Species: Rat, male  
 Application Route: Ingestion  
 General Toxicity - Parent: LOAEL: 62.5 mg/kg body weight  
 Result: Reduced fertility

Test Type: Fertility/early embryonic development  
 Species: Rat, female  
 Application Route: Intraperitoneal injection  
 General Toxicity - Parent: LOAEL: 1 mg/kg body weight  
 Result: Effect on estrous cycle

Effects on foetal development : Test Type: Fertility/early embryonic development



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ment      Species: Rat  
 Application Route: Intravenous injection  
 Developmental Toxicity: LOAEL: 50 mg/kg body weight  
 Result: Abnormalities of the musculoskeletal system

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

### STOT - single exposure

Not classified based on available information.

#### Components:

##### Atropine Sulfate:

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

### STOT - repeated exposure

Not classified based on available information.

#### Components:

##### Atropine Sulfate:

Exposure routes : Inhalation  
 Target Organs : Eye, Central nervous system  
 Assessment : Shown to produce significant health effects in animals at concentrations of 50 ppmV/6h/d or less.

### Repeated dose toxicity

#### Components:

##### Benzyl alcohol:

Species : Rat  
 NOAEL : 1.072 mg/l  
 Application Route : inhalation (dust/mist/fume)  
 Exposure time : 28 Days  
 Method : OECD Test Guideline 412

##### Atropine Sulfate:

Species : Rabbit  
 LOAEL : 59 mg/kg  
 Application Route : Subcutaneous  
 Exposure time : 100 d  
 Target Organs : Central nervous system  
 Symptoms : Convulsions, respiratory depression

Species : Rat  
 LOAEL : 0.5 mg/kg  
 Application Route : Inhalation  
 Exposure time : 21 d  
 Target Organs : Eye  
 Symptoms : Dilatation of the pupil

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|                   |                           |
|-------------------|---------------------------|
| Species           | : Dog                     |
| LOAEL             | : 0.5 mg/kg               |
| Application Route | : Inhalation              |
| Exposure time     | : 21 d                    |
| Target Organs     | : Eye                     |
| Symptoms          | : Dilatation of the pupil |

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

#### Components:

#### **Atropine Sulfate:**

|                     |   |
|---------------------|---|
| General Information | : Target Organs: Central nervous system<br>Symptoms: dry mouth, Blurred vision, tachycardia, constipation, central nervous system effects, restlessness, Fatigue, delirium, mental depression |
|---------------------|---|

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Benzyl alcohol:**

|  |  |
|--|--|
| Toxicity to fish   | : LC50 (Pimephales promelas (fathead minnow)): 460 mg/l<br>Exposure time: 96 h   |
| Toxicity to daphnia and other aquatic invertebrates                    | : EC50 (Daphnia magna (Water flea)): 230 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202  |
| Toxicity to algae/aquatic plants                                       | : EC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br><br>NOEC (Pseudokirchneriella subcapitata (green algae)): 310 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC (Daphnia magna (Water flea)): 51 mg/l<br>Exposure time: 21 d<br>Method: OECD Test Guideline 211   |

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| Toxicity to daphnia and other aquatic invertebrates | : EC50 (Daphnia magna (Water flea)): 356 mg/l<br>Exposure time: 48 h |
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**Persistence and degradability****Components:****Benzyl alcohol:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 92 - 96 %  
Exposure time: 14 d

**Bioaccumulative potential****Components:****Benzyl alcohol:**

Partition coefficient: n-octanol/water : log Pow: 1.05

**Atropine Sulfate:**

Partition coefficient: n-octanol/water : log Pow: 1.83

**Mobility in soil**

No data available

**Hazardous to the ozone layer**

Not applicable

**Other adverse effects**

No data available

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.  
Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

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**14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

Refer to section 15 for specific national regulation.

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**15. REGULATORY INFORMATION****Related Regulations****Fire Service Law**

Not applicable to dangerous materials / designated flammables.

**Chemical Substance Control Law**

Not applicable for Specified Chemical Substance, Monitoring Chemical Substance and Priority Assessment Chemical Substance.

**Industrial Safety and Health Law****Harmful Substances Prohibited from Manufacture**

Not applicable

**Harmful Substances Required Permission for Manufacture**

Not applicable

**Substances Prevented From Impairment of Health**

Not applicable

**Circular concerning Information on Chemicals having Mutagenicity - Annex 2: Information on Existing Chemicals having Mutagenicity**

Not applicable

**Circular concerning Information on Chemicals having Mutagenicity - Annex 1: Information on Notified Substances having Mutagenicity**

Not applicable

**Substances Subject to be Notified Names**

Not applicable

**Substances Subject to be Indicated Names**

Not applicable

**Ordinance on Prevention of Hazards Due to Specified Chemical Substances**

Not applicable

**Ordinance on Prevention of Lead Poisoning**

Not applicable

**Ordinance on Prevention of Tetraalkyl Lead Poisoning**

Not applicable

**Ordinance on Prevention of Organic Solvent Poisoning**

Not applicable

**Enforcement Order of the Industrial Safety and Health Law - Attached table 1 (Dangerous Substances)**

Not applicable

**Poisonous and Deleterious Substances Control Law**

Not applicable

**Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof**

Not applicable

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**High Pressure Gas Safety Act**

Not applicable

**Explosive Control Law**

Not applicable

**Vessel Safety Law**

Not regulated as a dangerous good

**Aviation Law**

Not regulated as a dangerous good

**Marine Pollution and Sea Disaster Prevention etc Law**

Bulk transportation            : Noxious liquid substance(Category Z)

Pack transportation            : Not classified as marine pollutant

**Narcotics and Psychotropics Control Act**

Narcotic or Psychotropic Raw Material (Export / Import Permission)

Not applicable

Specific Narcotic or Psychotropic Raw Material (Export / Import permission)

Not applicable

**Waste Disposal and Public Cleansing Law**

Industrial waste

**The components of this product are reported in the following inventories:**

DSL                                : not determined

AICS                                : not determined

IECSC                               : not determined

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**16. OTHER INFORMATION****Further information**Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

Date format                        : yyyy/mm/dd

**Full text of other abbreviations**

JP OEL JSOH                        : Japan. The Japan Society for Occupational Health. Recommendation of Occupational Exposure Limits

JP OEL JSOH / OEL-C               : Occupational Exposure Limit-Ceiling

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for

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Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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