



Hazard symbol(s): None.

Signal word: None.

Hazard statement(s): None.

Precautionary statement(s): None.

### 2.3. Other hazards

Spills produce extremely slippery surfaces.

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Not applicable, this product is a mixture.

### 3.2 Mixtures

#### Hazardous components

Contains no reportable hazardous substances.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### *Inhalation:*

Move to fresh air. No hazards which require special first aid measures.

#### *Skin contact:*

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.

#### *Eye contact:*

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Alternatively, rinse immediately with Diphoterine ®. Get prompt medical attention.

#### *Ingestion:*

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

### 4.2. Most important symptoms and effects, both acute and delayed

None under normal use.

### 4.3. Indication of any immediate medical attention and special treatment needed.

None reasonably foreseeable.

#### *Other information:*

None.

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SECTION 5. Fire-fighting measures*5.1. Extinguishing media**Suitable extinguishing media:*

Water. Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry powder. Warning! Spills produce extremely slippery surfaces.

*Unsuitable extinguishing media:*

None.

*5.2. Special hazards arising from the substance or mixture**Hazardous decomposition products:*

Carbon oxides (CO<sub>x</sub>). Nitrogen oxides (NO<sub>x</sub>). Hydrogen chloride. Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

*5.3. Advice for fire-fighters**Protective measures:*

Wear self-contained breathing apparatus and protective suit.

*Other information:*

Spills produce extremely slippery surfaces.

SECTION 6: Accidental release measures*6.1. Personal precautions, protective equipment and emergency procedures**Personal precautions:*

Do not touch or walk through spilled material. Spills produce extremely slippery surfaces.

*Protective equipment:*

Wear adequate personal protective equipment (see Section 8 Exposure Controls/Personal Protection).

*Emergency procedures:*

Keep people away from spill/leak. Prevent further leakage or spillage if safe to do so.

*6.2. Environmental precautions*

Do not contaminate water.

*6.3. Methods and material for containment and cleaning up**Small spills:*

Do not flush with water. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

*Large spills:*

Do not flush with water. Dam up. Soak up with inert absorbent material. Clean up promptly by scoop or vacuum.

*Residues:*

After cleaning, flush away traces with water.

*6.4. Reference to other sections*

SECTION 7: Handling and storage; SECTION 8: Exposure controls/personal protection; SECTION 13: Disposal considerations;

SECTION 7. Handling and storage

*7.1. Precautions for safe handling*

Avoid contact with skin and eyes. Renders surfaces extremely slippery when spilled. When using, do not eat, drink or smoke.

*7.2. Conditions for safe storage, including any incompatibilities.*

Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

*7.3. Specific end use(s)*

None.

SECTION 8. Exposure controls/personal protection

*8.1. Control parameters*

*Occupational exposure limits:*

None.

*8.2. Exposure controls*

*Appropriate engineering controls:*

Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

*Individual protection measures, such as personal protective equipment:*

*a) Eye/face protection:*

Safety glasses with side-shields.

*b) Skin protection:*

Wear coveralls and/or chemical apron and rubber footwear where physical contact can occur.

*i) Hand protection:*

PVC or other plastic material gloves.

*c) Respiratory protection:*

No personal respiratory protective equipment normally required.

*d) Additional advice:*

Wash hands and face before breaks and immediately after handling the product. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

*Environmental exposure controls:*

Do not allow uncontrolled discharge of product into the environment.

SECTION 9. Physical and chemical properties*9.1. Information on basic physical and chemical properties*

<i>a) Appearance:</i>	Clear to slightly yellow liquid.
<i>b) Odour:</i>	None.
<i>c) Odour Threshold:</i>	Not applicable.
<i>d) pH:</i>	3 - 7
<i>e) Melting point/freezing point:</i>	< 5°C
<i>f) Initial boiling point and boiling range:</i>	> 100°C
<i>g) Flash point:</i>	Does not flash.
<i>h) Evaporation rate:</i>	No data available.
<i>i) Flammability (solid, gas):</i>	Not applicable.
<i>j) Upper/lower flammability or explosive limits:</i>	Not expected to create explosive atmospheres.
<i>k) Vapour pressure:</i>	2.3 kPa @ 20°C
<i>m) Relative density:</i>	1.0 - 1.2
<i>n) Solubility(ies):</i>	Completely miscible.
<i>o) Partition coefficient:</i>	< 0
<i>p) Autoignition temperature:</i>	Does not self-ignite (based on the chemical structure).
<i>q) Decomposition temperature:</i>	> 150°C
<i>r) Viscosity:</i>	See Technical Bulletin.
<i>s) Explosive properties:</i>	Not expected to be explosive based on the chemical structure.
<i>t) Oxidizing properties:</i>	Not expected to be oxidising based on the chemical structure.

*9.2. Other information*

None.

SECTION 10. Stability and reactivity*10.1. Reactivity*

Stable under recommended storage conditions.

*10.2. Chemical stability*

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Protect from frost, heat and sunlight.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (NO<sub>x</sub>), carbon oxides (CO<sub>x</sub>).  
Hydrogen cyanide (hydrocyanic acid).

## SECTION 11. Toxicological information

### 11.1. Information on toxicological effects

#### Information on the product as supplied:

<i>Acute oral toxicity:</i>	LD50/oral/rat > 5000 mg/kg
<i>Acute dermal toxicity:</i>	LD50/dermal/rat > 5000 mg/kg
<i>Acute inhalation toxicity:</i>	Testing by the inhalation route is inappropriate because exposure of humans via inhalation is unlikely: the substance has no vapour pressure and there is practically no exposure to inhalable aerosols.
<i>Skin corrosion/irritation:</i>	Not irritating.
<i>Serious eye damage/eye irritation:</i>	Slightly irritating.
<i>Respiratory/skin sensitisation:</i>	Not sensitizing to skin. No respiratory sensitization has been observed in the workplace.
<i>Mutagenicity:</i>	Not mutagenic.
<i>Carcinogenicity:</i>	By analogy with similar substances, this substance is not expected to be carcinogenic.
<i>Reproductive toxicity:</i>	By analogy with similar substances, this substance is not expected to be toxic for reproduction.
<i>STOT - single exposure:</i>	No known effects.
<i>STOT - repeated exposure:</i>	No known effects.
<i>Aspiration hazard:</i>	No hazards resulting from the material as supplied.

SECTION 12. Ecological information

## 12.1. Toxicity

Information on the product as supplied:

Acute toxicity to fish:	LC50/Danio rerio/96 hours > 100 mg/L
Acute toxicity to invertebrates:	EC50/Daphnia magna/48 hours > 100 mg/L
Acute toxicity to algae:	Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.
Chronic toxicity to fish:	No data available.
Chronic toxicity to invertebrates:	No data available.
Toxicity to microorganisms:	EC0/activated sludge/0.5 h = 1000 mg/L (OECD 209)
Effects on terrestrial organisms:	Exposure to soil is unlikely.
Sediment toxicity:	Exposure to sediment is unlikely.

## 12.2. Persistence and degradability

Information on the product as supplied:

Degradation:	Not readily biodegradable.
Hydrolysis:	Does not hydrolyse.
Photolysis:	No data available.

## 12.3. Bioaccumulative potential

Information on the product as supplied:

Not bioaccumulating.	
Partition co-efficient (Log Pow):	< 0
Bioconcentration factor (BCF):	~0

## 12.4. Mobility in soil

Information on the product as supplied:

Exposure to soil is not to be expected.

Koc: ~0

*12.5. Other adverse effects*

None.

SECTION 13. Disposal considerations

*13.1. Waste treatment methods*

*Waste from residues / unused products:*

Dispose of in accordance with local and national regulations.

*Contaminated packaging:*

Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling is not practicable, dispose of in compliance with local regulations.

*Recycling:*

Store containers and offer for recycling of material when in accordance with the local regulations.

SECTION 14. Transport information

Land transport (DOT)

Not classified.

Sea transport (IMDG)

Not classified.

Air transport (IATA)

Not classified.

SECTION 15. Regulatory information

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

*Information on the product as supplied:*

*TSCA Chemical Substances Inventory:*

All components of this product are either listed on the inventory or are exempt from listing.

*US SARA Reporting Requirements:*

*SARA (Section 311/312) hazard class:*

Not concerned.



SARA Title III Sections

Section 302 (TPQ) - Reportable Quantity:

Not concerned

Section 304 - Reportable Quantity:

Not concerned

Section 313 (De minimis concentration):

Not concerned

Clean Water Act

Section 311 Hazardous Substances (40 CFR 117.3) - Reportable Quantity:

Not concerned

Clean Air Act

Section 112(r) Accidental release prevention requirements (40 CFR 68) - Reportable Quantity:

Not concerned

CERCLA

Hazardous Substances List (40 CFR 302.4) - Reportable Quantity:

Not concerned

RCRA status :

Not RCRA hazardous.

California Proposition 65 Information:

Not concerned

SECTION 16. Other information

NFPA and HMIS Ratings:

NFPA:

Health:	0
Flammability:	0
Instability:	0

HMIS:

Health: 0  
Flammability: 0  
Physical Hazard: 0  
PPE Code: B

This data sheet contains changes from the previous version in section(s):

SECTION 2. Hazards identification, SECTION 3. Composition/information on ingredients, SECTION 4. First aid measures, SECTION 11. Toxicological information, SECTION 16. Other Information.

Key or legend to abbreviations and acronyms used in the safety data sheet:

None.

This SDS was prepared in accordance with the following:

Federal Regulation 29 CFR 1910.1200

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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.