



# Green Chemicals Co., Ltd.

Address: No.6,DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China  
Contact: Manager Jiang Tel: +86-515-87883661 E-mail:market@greenchem-china.com

## MATERIAL SAFETY DATA SHEET

Verison 3.0

Revision Date:03/12/2020

### 1. CHEMICAL PRODUCT & COMPANY INFORMATION

Company Information	Green Chemicals Co., Ltd No.6, DingLan Road, AoYang Industrial Park, FuNing,YanCheng, P.R.China
Phone Number:	+86-515-87883661
Email:	market@greenchem-china.com
Website:	www.greenchem-china.com/
Use:	For industrial use only

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1907/2006  
Acute toxicity - Oral, Category 4  
Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 2  
For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 2.2. GHS Label elements, including precautionary statements

Pictogram



Signal Word:	Warning
Hazard statement(s)	
H301	Harmful if swallowed.
H411	Toxic to aquatic life with long lasting effects
Precautionary statement(s)	
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P301+P310+P330	If swallowed: Call a poison center or doctor if you feel unwell. Specific treatment. Rinse mouth.
P391	Collect spillage.
P405	Store locked up.
Supplemental Hazard Statements	



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None

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Synonyms:	ETHYLENE GLYCOL BIS(3-MERCAPTOPROPIONATE)
Formula:	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub> S <sub>2</sub>
Molecular weight	238.32 g/mol
CAS-No.	22504-50-3
EC-No.	245-044-3

### 3.2 Hazardous components

Component	Classification	Concentration
ETHYLENE GLYCOL BIS(3-MERCAPTOPROPIONATE)	-	≤100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eyes:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No data available

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

No data available

## 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.  
Wear self-contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures



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Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
For personal protection see section 8.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

No data available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal Protective Equipment

Eye/Face Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



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Control of environmental exposure: Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: clear, viscous liquid  
Color: colourless.  
Odor: N/A  
Initial boiling point and boiling range: 100°C/1mmHg(lit.)  
Freezing/Melting Point: -3°C(lit.)  
Flash point: 255°C(lit.)  
Vapor Density: N/A  
Vapor Pressure: 2.51E-05mmHg at 25°C  
Relative density: 1.218 g/cm<sup>3</sup>  
Specific Gravity: N/A  
Viscosity: N/A  
PH: N/A  
Partition Coefficient (Octanol/Water): N/A

### 10. STABILITY AND REACTIVITY

Chemical stability : Stable under recommended storage conditions.  
Conditions to Avoid: No data available  
Incompatible materials: Bases, Acid chlorides, Acid anhydrides, Oxidizing agents  
Possibility of Hazardous : No data available  
Hazardous decomposition products : Hazardous decomposition products formed under fire conditions.-  
Carbon oxides.  
In the event of fire: see section 5

### 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: No data available  
Skin Irritation: No data available  
Serious eye damage/eye irritation: No data available  
Respiratory or skin sensitisation: No data available  
Carcinogenicity (IARC; NTP; OSHA; ACGIH): No data available  
Mutagenicity: No data available  
Reproductive Toxicity: No data available  
Teratogenicity: No data available  
Neurotoxicity: No data available  
Subacute Toxicity: No data available  
Subchronic Toxicity: No data available  
Additional Information: No data available



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### 12. ECOLOGICAL INFORMATION

Toxicity to Fish:	No data available
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Results of PBT and vPvB assessment test:	No data available
Other adverse effects:	No data available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Product :	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging:	Dispose of as unused product.

### 14. TRANSPORT INFORMATION

#### 14.1 UN number:

ADR/RID:	-
IMDG:	3082
IATA:	3334

#### 14.2 UN proper shipping name

ADR/RID:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IATA:	Aviation regulated liquid, n.o.s.

#### 14.3 Transport hazard class(es)

ADR/RID:	9
IMDG:	9
IATA:	9

#### 14.4 Packaging group

ADR/RID:	III
IMDG:	III
IATA:	III

#### Further information:

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations specific for the product in question



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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

### 16. OTHER INFORMATION

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Green Chemicals Co.,Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.