

MATERIAL SAFETY DATA SHEET

Version 1.0

Revision Date:03/13/2019

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
Fax Number:	market@greenchem-china.com
Email:	www.greenchem-china.com/
Website:	For industrial use only
Use	Green Chemicals Co., Ltd

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Pictogram(s):



Signal Word:	Warning!
Hazard Statements:	H302: Harmful if swallowed [Warning Acute toxicity, oral] H373 **: Causes damage to organs through prolonged or repeated exposure [Warning Specific target organ toxicity, repeated exposure] H400: Very toxic to aquatic life [Warning Hazardous to the aquatic environment, acute hazard] H410: Very toxic to aquatic life with long lasting effects [Warning Hazardous to the aquatic environment, long-term hazard]
Precautionary Statement Codes:	P260, P264, P270, P273, P301+P312, P314, P330, P391, and P501

3. COMPOSITION/INFORMATION ON INGREDIENTS

1) Product name:	2,3-bis(2-sulfanylethylsulfanyl)propane-1-thiol
CAS No.: 131538-00-6	EC-No.: 411-290-7
Content:	100%

4. 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.



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Ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

Swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE FIGHTING MEASURES

Fire Fighting Measures: Standard procedure for chemical fires.

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

Specific hazards arising from the chemical: no data available

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: 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.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2

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

For Industrial Use Only

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: There are no OSHA or ACGIH exposure guidelines available for component(s) in this product

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: Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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. The selected protective gloves have to



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satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory Protection:

Wear dust mask when handling large quantities.

Engineering Controls:

Local exhaust/ventilation recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Color:	Colorless
Odor:	Slight.
Boiling Point:	>300°C
Volatility:	≤0.5%
Freezing/Melting Point:	N/A
Solubility in water:	11.5 mg/L at 20°C
Vapor Density:	N/A
Vapor Pressure:	N/A
Density:	1.26 at 20°C
Viscosity:	N/A
PH:	Not determined
Oxidising properties:	Non oxidising
Explosiveness:	Non explosive
Surface tension:	70.5 mN/m at 20°C, concentration: 90% saturated solution
Autoflammability:	325 °C
Flash point:	241 °C

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	None known
Incompatibility:	no data available
Possibility of Hazardous Reactions:	None expected.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50:	No data available
Acute Dermal Toxicity:	No data available
Acute Inhalation Toxicity:	No data available
Eye Irritation:	No data available
Skin Irritation:	No data available
Skin Sensitization:	No data available
Carcinogenicity (IARC; NTP; OSHA; ACGIH):	No data available
Mutagenicity:	No data available
Reproductive Toxicity:	No data available
Teratogenicity:	No data available



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Neurotoxicity:	No data available
Subacute Toxicity:	No data available
Subchronic Toxicity:	No data available
Chronic toxicity:	No data available
Absorption / Distribution / Excretion / Metabolism:	No data available
Additional Information:	No data available

12. ECOLOGICAL INFORMATION

Toxicity to Fish:	No data available
Toxicity to Invertebrates:	No data available
Toxicity to Algae:	No data available
Toxicity to Sewage Bacteria:	No data available
Activated Sludge Respiration	
Inhibition Test:	No data available
Biochemical Oxygen Demand (BOD):	No data available
Chemical Oxygen Demand (COD):	No data available
Total Oxygen Demand (TOD):	No data available
Biodegradability:	No data available
Bioaccumulation:	No data available
Additional Environmental Data:	No data available

13. DISPOSAL CONSIDERATIONS

Product:	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging:	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT):	Not regulated for this mode of transport
International Maritime Dangerous Goods (IMDG):	No data available
International Air Transportation Authority (IATA):	No data available

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	
Relevant information regarding authorization:	Not applicable.
Relevant information regarding restriction:	Not applicable.



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Other EU regulations: Not applicable.
Other National regulations: Not applicable
Chemical Safety Assessment has been carried out NO

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. Yancheng 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.