

SAFETY DATA SHEET

GL1800 Polyfunctional polyether thiol

SECTION 1: Identification of the substance/mixture and of the company /undertaking

Product name	GL1800 Polyfunctional polyether thiol
Use of the substance/mixture	Adhesive Ingredient
Supplier	Guangzhou Green New Materials Co., Ltd. Room 1515, Building D2, Minjie Plaza, 193 Shuixi Road, Huangpu District Guangzhou 510530 Guangdong, China China:+86 20 32636908
Emergency telephone number	
Email address	lcx@igreenchem.com

SECTION 2: Composition/Information on ingredients

Name	Mercaptan-terminated polymer
CAS NO.	Trade secret
Content	Trade secret

SECTION 3: Hazards identification

Appearance and Odor	Clear white to yellow liquid with sulfur-like odor
Potential health effects	Routes of entry: Skin, Inhalation, Ingestion. Irritancy: Skin, Eyes
Short- term exposure	Inhalation: May be harmful if inhaled in large amounts or for prolonged periods. Eyes: May cause eye irritation on prolonged or repeated exposure. Skin: May cause skin irritation on prolonged or repeated exposure. Ingestion: May be harmful if swallowed.
Emergency overview	May cause skin and/or eye irritation on prolonged or repeated exposure. This product does not contain any components which may contribute to significant, immediate health, physical, or environmental hazards.

SECTION 4 : First aid measures

Eye contact	IMMEDIATELY flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. If irritation persists get medical attention.
Skin contact	Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
Ingestion	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water or milk. DO NOT induce vomiting. Keep airway clear. GET MEDICAL

Inhalation

ATTENTION IMMEDIATELY.

Remove to fresh air. If breathing is difficult, have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. IF THERE ARE ADVERSE REACTIONS, CONTACT A PHYSICIAN IMMEDIATELY.

Notes to physician

Symptomatic and supportive therapy as needed. Following severe exposure medical follow-up should be monitored for at least 48 hours.

SECTION 5 : Firefighting measures

Flash point

258 °C (Cleveland Open Cup)

Fire fighting procedures

Keep unauthorized personnel removed and upwind. Wear approved positive pressure self-contained breathing apparatus and full protective clothing.

Extinguishing media

Carbon dioxide, Dry chemical, Foam, Water spray

Fire and explosion hazard

Water may spread fire (product floats on water).

Hazardous combustion products

Carbon dioxide, carbon monoxide, hydrogen sulfide, sulfur dioxide, sulfur trioxide.

SECTION 6 : Accidental release measures

Personal precautions

Follow protective measures provided under Personal Protection in Section 8.

Environmental precautions

Contain material.

Methods for cleaning up

Add dry material to absorb spill (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and place in containers for recovery or disposal. Flush area with water to remove residues.

SECTION 7 : Handling and storage

Handling

Do not get in eyes, on skin or clothing.

Storage

Store containers in a cool, dry, ventilated, fire resistant area away from sources of ignition and incompatible materials. Do not store near resinous materials with epoxy functionality. Keep container tightly closed and properly labeled.

SECTION 8 : Exposure controls / personal protection

Engineering controls

Handle product in a well ventilated area. If product is handled in an open system, the use of process enclosures, local exhaust ventilation, and/or other engineering controls should be considered to control airborne levels to below recommended exposure limits, or below acceptable levels where there are no limits.

Personal protection

Respiratory	Use a approved full-face respirator with organic vapor acid gas cartridge when handling this material if warranted.
Eyes	Wear chemical safety goggles.
Skin	Wear chemical resistant gloves such as rubber, neoprene or vinyl, and work clothing with full length sleeves.
Other	Emergency shower and eyewash facility should be in close proximity.

SECTION 9 : Physical and chemical properties

General information

Appearance

Appearance and Odor	Clear white to yellow liquid with mercaptan-like odor
Specific gravity(water=1)	1.13-1.17g/cm ³
Solubility in water	Slight (0.1 to 1%)
Percent volatiles (by wt.)	0.3% at 21°C
Vapor pressure	Not available.
Vapor density [Air = 1]	Not available.
Melting point	Not available.
Boiling point	Not available.
VOC content (EPA method 24)	Not available.

SECTION 10 : Stability and reactivity

Stability and reactivity	The product is stable.
Incompatibility with various substances	Extremely reactive or incompatible with the following materials: acids. oxidizers.
Hazardous polymerization	Will not occur.
Comments	The use of water for fire fighting measures may spread fire.
Hazardous decomposition products	Carbon monoxide, carbon dioxide, hydrogen sulfide, sulfur dioxide, sulfur trioxide.

SECTION 11 : Toxicological information

Oral LD50 (rat)	2.6 g/kg
Eye Irritation (rabbit)	16.8/110
Skin Irritation (rabbit)	1.2/8
Skin Sensitization (guinea pig)	Negative
Dermal LD50 (rabbit)	>10.2 g/kg

SECTION 12 :Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Mobility	The product is slightly soluble in water
Bioaccumulation	No data available

Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 :Disposal considerations

Waste disposal Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

SECTION 14 :Transport information

General information Not dangerous goods according to RID/ADR, ADNR, IMDG
DOT information Not regulated for highway transportation
AIR transportation UN3334, Aviation Regulated Liquid, N.O.S. (Mercaptan-terminated polymer), 9

SECTION 15 :Regulatory information

TSCA All components are listed or exempted.
EINECS All components are listed or exempted.

SECTION 16 :Other information

This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer.