

# SAFETY DATA SHEET

## GL1830 Modified Polymercaptan curing agent

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

<b>Product name</b>	GL1830 Modified Polymercaptan curing agent
<b>Use of the substance/mixture</b>	Adhesive Ingredient
<b>Supplier</b>	Guangzhou Green New Materials Co., Ltd. Room 1515, Building D2, Minjie Plaza, 193 Shuixi Road, Huangpu District Gaungzhou 510530 Guangdong, China
<b>Emergency telephone number</b>	China:+86 20 32636908
<b>Email address</b>	<a href="mailto:lcx@igreenchem.com">lcx@igreenchem.com</a>

### SECTION 2: Composition/Information on ingredients

<b>Name</b>	Modified polymercaptan curing agent
<b>CAS NO.</b>	Trade secret
<b>Content</b>	Trade secret

### SECTION 3: Hazards identification

<b>Appearance and Odor</b>	Clear white to yellow liquid with sulfur-like odor
<b>Potential health effects</b>	Routes of entry: Skin, Inhalation, Ingestion. Irritancy: Skin, Eyes
<b>Short- term exposure</b>	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.
<b>Emergency overview</b>	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

<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash thoroughly with soap and water. Wash clothing before reuse. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
<b>Ingestion</b>	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Have patient drink several glasses of water or milk. DO

PERSON. Have patient drink several glasses of water or milk. DO NOT induce vomiting. Keep airway clear. GET MEDICAL ATTENTION IMMEDIATELY.

#### Inhalation

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

> 200 °F (Pensky-Martens Closed 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)

1.12-1.18g/cm<sup>3</sup>

#### Solubility in water

Negligible (< 0.1%)

#### Percent volatiles (by wt.)

0.28% 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)

4.8/8

### 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.