

# THIOGLYCOLIC ACID

## SAFETY DATA SHEET

# SDS

Weifang Yihua Chemical Co., Ltd.

according to GHS(fifth revised edition)

### Section 1 - Product and Company Identification

<b>Product name</b>	THIOGLYCOLIC ACID
<b>Applicant name</b>	WEIFANG YI HUA CHEMICAL CO., LTD.
<b>Application address</b>	No.128 Xinhai Street, Binhai Economic Development Zone, Weifang City, Shandong Province, China
<b>Applicant post code</b>	261108
<b>Applicant fax</b>	+86-536-2929110
<b>Applicant emergency number</b>	+86-536-2929120
<b>Applicant email</b>	Jinxia.sui@jiahuachem.com.cn
<b>Manufacturer name</b>	WEIFANG YI HUA CHEMICAL CO., LTD.
<b>Manufacturer address</b>	No.128 Xinhai Street, Binhai Economic Development Zone, Weifang City, Shandong Province, China
<b>Manufacturer post code</b>	261108
<b>Manufacturer fax</b>	+86-536-2929110
<b>Manufacturer emergency number</b>	+86-536-2929120
<b>SDS number</b>	DG2405648E
<b>Effective date</b>	May 18,2024

### Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the fifth revised edition):

#### GHS hazard class

<b>Health hazard(s)</b>	Acute toxicity, oral	category3
	Acute toxicity, dermal	category3
	Skin corrosion/irritation	category1
	Acute toxicity, inhalation	category 2

#### Pictogram



**Signal** Danger

**Hazard statement(s)**  
H301 Toxic if swallowed  
H311 Toxic in contact with skin

H314 Causes severe skin burns and eye damage

H330 Fatal if inhaled

#### Precautionary statements

##### Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P284 [In case of inadequate ventilation] wear respiratory protection.

##### Response

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P361+P364 Take off immediately all contaminated clothing and wash it before reuse.

##### Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

##### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
THIOGLYCOLIC ACID	99%	68-11-1	200-677-4

## Section 4 – First Aid Measures

##### After skin contact

Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

##### After eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### After ingestion

Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

##### After inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

## Section 5 – Fire Fighting Measures

##### Hazardous products of combustion

Carbon oxides, Sulfur oxides

##### Extinguishing method

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### Special protective equipment

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 – Accidental Release Measure

<b>Personal protective measures</b>	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
<b>Environmental protective measures</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Methods for taking in and cleaning up</b>	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7 – Handling and Storage

<b>Handling</b>	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## Section 8 – Exposure Controls/Personal Protection

<b>Engineering Controls</b>	Safety shower and eye bath. Mechanical exhaust required.
<b>Respiratory protection</b>	Use a full-face supplied air respirator.
<b>Eye protection</b>	Wear chemical goggles.
<b>Hand Protection</b>	Wear impervious chemical resistant gloves.
<b>Body protection</b>	Protective work clothing.

## Section 9 – Physical and Chemical Properties

<b>Appearance and properties:</b> Colorless transparent liquid	<b>Odor:</b> No data available
<b>Odor threshold:</b> No data available	<b>pH value:</b> No data available
<b>Melting point/freezing point(°C):</b> -16.5	<b>Initial boiling point and boiling range(°C):</b> No data available
<b>Flash point(°C)(closed cup):</b> >93	<b>Evaporation Rate:</b> No data available
<b>Flammability:</b> No data available	<b>Upper explosive limit%(V/V):</b> No data available
<b>Lower explosive limit%(V/V):</b> No data available	<b>Vapor pressure(MPa):</b> No data available
<b>Vapor density(g/mL):</b> No data available	<b>Relative density(g/cm³):</b> No data available
<b>Solubility:</b> No data available	<b>Octanol / water partition coefficient:</b> No data available
<b>Auto-ignition temperature(°C):</b> No data available	<b>Decomposition temperature(°C):</b> No data available
<b>Kinematic viscosity (mm²/s):</b> No data available	

## Section 10 – Stability and Reactivity

<b>Reactive</b>	No data available
<b>Chemical stability</b>	Stable under the condition recommended.
<b>Possibility of hazardous reactions</b>	No data available
<b>Avoid conditions</b>	No data available
<b>Incompatible materials</b>	Strong oxidizing agents, Strong acids
<b>Hazardous decomposition products</b>	No data available

## Section 11 – Toxicological Information

**Acute toxicity:**

THIOGLYCOLIC ACID: LD<sub>50</sub>(rat,Oral) 114mg/kg;LC<sub>50</sub>(rat,Inhalation,4 h)0.21 mg/L;LD<sub>50</sub>(rabbit,Dermal)300 mg/kg

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation:** No data available

**Respiratory or skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ toxicity – single exposure:** No data available

**Specific target organ toxicity – repeated exposure:** No data available

**Aspiration hazard:** No data available

## Section 12 – Ecological Information

**Toxicity:**

THIOGLYCOLIC ACID:LC<sub>50</sub>(Pimephales promelas,96 h) 30mg/L

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available.

## Section 13 – Disposal Considerations

**Property of waste:** No data available

**Methods of disposal:** Dispose of in a manner consistent with federal, state, and local regulations.

**Precautions of disposal:** No data available.

## Section 14 - Transport Information

**UN number:** 1940

**UN proper shipping name:** THIOGLYCOLIC ACID

**Transportation primary hazard class:** 8

**Transportation secondary hazard class:** ——

**Packing group:** II

## Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
THIOGLYCOLIC ACID	✓	✓	✓	✓

**Note 1:**

**CHINA - China Inventory of Existing Chemical Substances (IECSC)**

**TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)**

**ENCS - Japan Existing and New Chemical Substances (ENCS)**

**EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)**

**Note 2:**

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

## Section 16 - Additional Information

**Prepared by:** Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

**Completion Date:** May 18,2024

**Modification statement:** Original. Please update before the implementation of the GHS Sixth revised edition.

**Other information:** This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition) and the information included is based on the present state of our knowledge. However, the information is provided without any warranty, express or implied, regarding its correctness and is only for users reference. Users should make their independent judgement of suitability of these information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.