

THIOGLYCOLIC ACID

SAFETY DATA SHEET

SDS

Weifang Yihua Chemical Co., Ltd.

according to GHS(fifth revised edition)

Section 1 - Product and Company Identification

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

Health hazard(s)	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

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

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	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

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

Section 9 – Physical and Chemical Properties

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

Section 10 – Stability and Reactivity

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

Section 11 – Toxicological Information

Acute toxicity:

THIOGLYCOLIC ACID: LD₅₀(rat,Oral) 114mg/kg;LC₅₀(rat,Inhalation,4 h)0.21 mg/L;LD₅₀(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:LC₅₀(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.