



SUZHOU DORA AGRI-TECH CO., LTD
XINYI (HONGKONG) INDUSTRIAL CO., LTD

Material Safety Data Sheet

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: L-glycine

Catalog Numbers: 12007-0000, 12007-0010, 12007-0050, 12007-2500

Synonyms: Aminoacetic acid; Gly.

Company Identification:

SUZHOU DORA AGRI-TECH CO., LTD

Address: Rm 1402, YuKun Meicheng Building, No. 33 Haiyu North Rd.

Tel:+86 512 52933216/ 52933226

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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS#	Chemical Name	Percent	EINECS#
56-40-6	L-glycine	≥98.5	200-272-2

Hazard Symbols: None Listed.

Risk Phrases: None Listed.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Not available.

Potential Health Effects

Eye:

No information regarding eye irritation and other potential effects was found. Contact may cause transient eye irritation.

Skin:

Low hazard for usual industrial handling. May be absorbed through the skin.

Ingestion:

Ingestion of large amounts may cause gastrointestinal irritation.

Low hazard for usual industrial handling.



Inhalation:

Low hazard for usual industrial handling.

Chronic:

No information found.

SECTION 4 - FIRST AID MEASURES

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air.

Extinguishing Media:

Use water spray, dry chemical, carbon dioxide, or chemical foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up, then place into a suitable container for disposal.



SECTION 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystalline powder
Appearance:	white
Odor:	Not available.
pH:	5.9-6.4 aq.sol.
Vapor Pressure:	Negligible.
Viscosity:	Not available.

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Boiling Point: Not available.
Freezing/Melting Point: 245 deg C dec
Autoignition Temperature: Not available.
Flash Point: Not available.
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: 54.4 G/100 ML WATER (75°C)
Specific Gravity/Density: 1.6000g/cm³
Molecular Formula: H₂NCH₂CO₂H
Molecular Weight: 75.06

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents, strong bases.

Hazardous Decomposition Products:

Nitrogen oxides, carbon monoxide, carbon dioxide, ammonia.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 56-40-6: MB7600000

LD50/LC50:

CAS# 56-40-6: Oral, mouse: LD50 = 4920 mg/kg; Oral, rat: LD50 = 7930 mg/kg.

Carcinogenicity:

Glycine -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other:

See actual entry in RTECS for complete information.

SECTION 12 - ECOLOGICAL INFORMATION



Ecotoxicity:

Fish: Goldfish: LD50: >5 ppm; 24 H Fish: Bluegill/Sunfish: LD50: >5 ppm; 24 H The product is chemical identical with the natural amino acid glycine and can therefore be degraded microbiologically. Fish toxicity: Trout, bluegill sunfish, goldfish LD50: >5 ppm/24H
Other Biodegradable.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Shipping Name: Not regulated.

Hazard Class:

UN Number:

Packing group:

SECTION 15 - REGULATORY INFORMATION

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 56-40-6: 0

United Kingdom Occupational Exposure Limits

Canada

CAS# 56-40-6 is listed on Canada's DSL List.

CAS# 56-40-6 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits



DORA[®]

**SUZHOU DORA AGRI-TECH CO., LTD
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CAS# 56-40-6: OEL-RUSSIA:STEL 5 mg/m³

US FEDERAL

TSCA

CAS# 56-40-6 is listed on the TSCA inventory.

SECTION 16 - ADDITIONAL INFORMATION

MSDS Creation Date: 12/11/2020 Revision #0 Date: Original.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.
