

MEYCHEM

Technical Glyphosate

MATERIAL SAFETY DATA

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: MEYCHEM Glyphosate Technical

Company Information: MEY Corporation

121 S. Estes Drive, Suite 101
Chapel Hill, NC 27514

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS No	Chemical Name	%	EINECS No
1071-83-6	N-(PHOSPHONOMETHYL)GLYCINE	95.0%min.	213-997-4

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes. Irritating to respiratory system. Light sensitive.

Potential Health Effects

Eye: Causes eye irritation.

Skin: May cause irritation with burning pain, itching and redness.

Ingestion: May cause nausea and vomiting. May cause acute hepatitis.

Inhalation: Causes respiratory tract irritation.

Chronic: Not available.

SECTION 4 - FIRST AID MEASURES

First Aid Facilities

Ensure an eye bath and safety shower available and ready for use.

If in eyes

Hold eye open and rinse slowly and gently with water 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Swallowed

Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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Skin or Clothing

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

Inhaled

Move person to fresh air. If person, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.

Advice to Physicians

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.

Extinguishing Media: Use agent most appropriate to extinguish fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

SECTION 7 - HANDLING and STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Store in a cool, dry place. Do not store in direct sunlight. Store in a tightly closed container.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Standards

TLV: 10 mg/m³.

Engineering Controls

Ensure adequate ventilation to keep airborne concentrations below exposure standard.

Personal Protection

Wear long plastic gloves, protective glasses, and regular work protective clothing.

Respiratory protection required - use appropriate NIOSH/MSHA approved respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white powder

Melting point: 189.5 ± 0.5 C

Boiling point: not applicable

Vapor pressure: 0.0131 mPA @ 25 C

Specific Gravity: 1.705 @ 20 C

Flash point: Not applicable

Explosion limits: Not applicable

Water solubility: moderate

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SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Glyphosate is corrosive to iron and galvanized steel.

SECTION 11 - TOXICOLOGICAL INFORMATION

Swallowed

May be harmful by ingestion.

Eye

Causes irreversible eye damage.

Skin

May be harmful by skin absorption.

Inhaled

May be harmful by inhalation. Avoid breathing dust. Material is irritating to tissue of the mucous membranes and upper respiratory tract. Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Believed to be of low toxicity in humans

Toxicity Data

ORL-MAN LDLO 2143 mg kg-1

ORL-WMN LDLO 4000 mg kg-1

ORL-RAT LD50 4873 mg kg-1

SKN-RBT LD50 7940 mg kg-1

IPR-MUS LD50 130 mg kg-1

IPR-RAT LD50 235 mg kg-1

ORL-MUS LD50 1568 mg kg-1

ORL-RBT LD50 3800 mg kg-1

SECTION 12 - ECOLOGICAL INFORMATION

Glyphosate is moderately toxic to freshwater fish, slightly toxic to aquatic invertebrates and algae, and practically non-toxic to birds, soil invertebrates and honeybees.

SECTION 13 - DISPOSAL CONSIDERATIONS

Burn in special, controlled high temperature incinerator if available. Keep out of drains, sewers, ditches and water ways. Observe all local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Shipping name: Environmentally Hazardous Substance, Solids, N.O.S.

Class of division: 9

UN Number: UN3077

Packing group:III

SECTION 15 - REGULATORY INFORMATION

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EPA Reg. No. 80967-2

SECTION 16 - ADDITIONAL INFORMATION

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.
