

MATERIAL SAFETY DATA SHEET



Emergency Phone: 800-424-9300
Repar Corporation
Silver Spring, MD 20914

Effective Date: October, 2009

GLYPHOSATE 62% SL

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: GLYPHOSATE 62% SL

EPA Reg. No.: 86004-5

PRODUCT DESCRIPTION: Herbicide

COMPANY IDENTIFICATION:

Repar Corporation
PO Box 4321
Silver Spring, MD 20914

2. HAZARDOUS IDENTIFICATIONS:

EMERGENCY PHONE NUMBER: (800) 424-9300
(CHEMTREC, transportation and spills)

EMERGENCY OVERVIEW:

PHYSICAL APPEARANCE: Yellow or off-white hazy liquid.

IMMEDIATE CONCERNS: CAUSES EYE IRRITATION. AVOID CONTACT WITH EYES OR CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

KEEP OUT OF REACH OF CHILDREN

3. COMPOSITION/INFORMATION ON INGREDIENTS:

Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt	62.0%
OTHER INGREDIENTS:	38.0%

4. FIRST AID

EYES: Immediately flush with plenty of water. Continue for at least 15 minutes. If easy to do, remove contact lenses. If there are persistent symptoms, obtain medical advice.

SKIN: Wash affected skin with plenty of water. Wash clothes before re-use. Take off contaminated clothing, wristwatch, jewelry.

INGESTION: Immediately offer water to drink. Do NOT induce vomiting unless directed by medical personnel. If symptoms

occur, get medical attention.

INHALATION: Immediately leave the contaminated area, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately if symptoms develop.

ADVICE TO DOCTORS: This product is not an inhibitor of cholinesterase.

ANTIDOTE: Treatment with atropine and oximes is not indicated.

5. FIRE FIGHTING MEASURES:

FLASH POINT: Does not flash.

EXTINGUISHING MEDIA: Recommended: Water, dry chemical, carbon dioxide (CO₂), foam

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIGHTING PROCEDURES: Keep out of smoke. Cool exposed containers with water spray. Fight fire from upwind position. Use self-contained breathing equipment. Contain runoff by diking to prevent entry into sewers or waterways. Equipment or materials involved in pesticide fires may become contaminated.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES:

Isolate area and keep unauthorized people away. Do not walk through spilled material.

Avoid breathing dust and skin contact. Remove sources of ignition if combustible or flammable vapors may be present and ventilate area. Wear proper protective equipment. Dike contaminated area with absorbent granules, soil, sand, etc. If spill is large, material should be recovered.

Small spills can be absorbed with absorbent granules, spill control pads, or any absorbent material. Carefully

MATERIAL SAFETY DATA SHEET



Emergency Phone: 800-424-9300
Repar Corporation
Silver Spring, MD 20914

Effective Date: October, 2009

GLYPHOSATE 62% SL

sweep up absorbed spilled material. Place in covered container for reuse or disposal. Scrub contaminated area with detergent and bleach solution and/or detergent and lye in water solution. Repeat. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways or contact vegetation.

Refer to Section 13 for disposal of spilled material.

contaminated skin promptly. Wash contaminated clothing and clean protective equipment before reuse. Wash hand thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Oil Liquid
COLOR: Yellow
SOLUBILITY: Miscible in water
FLAMMABILITY: Not Flammable
EXPLOSIVITY: Not Explosive

7. HANDLING AND STORAGE:

Handling (Personnel): Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Washing thoroughly after handling this product. Users Should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing.

Storage: Store in a cool and dry place out of reach of children. Keep container tightly closed. Provide storage with automatic extinguishing system. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Users or anyone who has to handling or contacting with this product should firstly read the personal protection. While handling, using and fighting fire of this product, cleaning equipments, mixing or loading, following personal protective equipment should be used:

Personal Protective Equipment:

Eye and face protections: Wear chemical goggles and mask

Skin protections: Long-sleeved shirt and long pants waterproof gloves, chemical-resistant footwear. Wash

10. STABILITY AND REACTIVITY:

STABILITY: Stable under normal conditions of handling and storage.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Not known

CORROSIVE: Not found.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀: >5000 mg/kg in rats

Dermal Contact LD₅₀: >5000mg/kg in rats

Inhalation LC 50 (4h): >1.3mg/L in rats

Eye Irritation: Slightly -irritating.

Skin Irritation: Non -irritating.

Glyphosate IPA was practically nontoxic orally (rat) or after skin application (rabbit). It was nonirritating to rabbit eyes and practically nonirritating to rabbit skin. In repeat dosing studies, (6 month), dogs fed Glyphosate IPA exhibited slight body weight changes. Following repeat skin exposure (3weeks) to Glyphosate IPA, skin irritation was the primary effect in rabbits. Additional toxicity information is available on glyphosate, the active herbicidal ingredient of Glyphosate IPA, which has been tested in mutagenicity,teratogenicity, reproductive, acute, subchronic and chronic toxicity studies.

MATERIAL SAFETY DATA SHEET



Emergency Phone: 800-424-9300
Repar Corporation
Silver Spring, MD 20914

Effective Date: October, 2009

GLYPHOSATE 62% SL

12. ECOLOGICAL INFORMATION:

Toxicity to Fish: LC₅₀ (96h) for trout and bluegill sunfish >1000 mg/L.

Toxicity to Daphnia: LC₅₀ (48h) 930mg/L.

Toxicity to worms: LC₅₀ (14d) for Eisenia foetida >5000mg/kg soil.

Toxicity to Algae: EC₅₀ (72h) for Scenedesmus subspicatus 72.9 mg/L.

13. DISPOSAL CONSIDERATIONS:

Dispose of containers as follows:

Plastic Jugs: Triple rinse container. Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Bulk Containers: Triple rinse emptied bulk containers. Then offer for recycling or reconditioning or dispose of in a manner approved by State and local authorities. Do not contaminate water, food, or feed by storage or disposal. Do not store near fertilizers, seeds, insecticides or fungicides.

14. TRANSPORT INFORMATION;

IMC Proper Shipping Name: Glyphosate 62% IPA

UN Hazard Class: Not applicable

UN No: Not applicable

UN Packing Group: Not applicable

15. REGULATORY INFORMATION:

TSCA Inventory

All components are on the US EPA's TSCA Inventory

SARA Title III Rules

Section 311/312 Hazard Categories

Immediate

Section 302 Extremely Hazardous Substances

Not applicable.

Section 313 Toxic Chemical(s)

Not applicable.

CERCLA Reportable quantity

Not applicable.

16. OTHER INFORMATION:

DISCLAIMER: The information presented herein is based on available data from reliable sources and is correct to the best of Repar's knowledge. Repar Corporation makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

DATE PREPARED: October 2009