

SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)



1. IDENTIFICATION

PRODUCT NAME: FarmWorks™ 41% Glyphosate Grass & Weed Killer

DESCRIPTION: A liquid herbicide.

EPA Reg. No.: 84009-12

COMPANY IDENTIFICATION: Ragan & Massey, Inc.

101 Ponchatoula Parkway, Ponchatoula, LA 70454

2. HAZARD IDENTIFICATION



WARNING

Causes eye irritation

May be harmful in contact with skin

Harmful to aquatic life

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Glyphosate IPA Salt	N-(phosphonomethyl)glycine, isopropylamine salt	38641-94-0	41.0%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24 Hour Medical Emergency Assistance (Human or Animal) call 1-800-308-1241 or for Chemical Emergency Assistance (Spill, Leak, Fire or Accident) call CHEMTREC at 1-800-424-9300.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 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. If eye irritation persists: Get medical advice/attention.

IF ON SKIN OR CLOTHING: Take off contaminated clothing and wash before reuse. Wash with plenty of water. Call a doctor or poison control center if you feel unwell.

5. FIREFIGHTING MEASURES

Flash Point (PM): > 113°C

Flammable Limits: Not determined

Fire and Explosion Hazards: Product may generate irritating or toxic gasses through thermal decomposition.

Extinguishing Medium: Water spray, fog, dry foam, or CO₂

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Prevent human exposure to fire, fumes, and smoke. Avoid heavy hose streams and dike area to prevent runoff.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, phosphorus pentoxide, and nitrogen oxide.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Contain spill. Absorb spill with sand, floor clay, dirt or other absorbent material. Shovel or sweep up and mop affected area with soap and water. Prevent liquid from entering sewers and waterways.

Large Spills: Large spills that soak into the ground should be dug up, placed in drums and disposed of properly, observing Section 13 of this document.

7. HANDLING AND STORAGE

Keep out of reach of children.

Handling: Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Good housekeeping is necessary. No smoking, open flames or sources of ignition in handling and storage area.

Storage: Do not contaminate water, food or feed by storage or disposal. Do not store near seeds, fertilizers, insecticides or fungicides. Keep container closed to prevent spills and contaminate. Store above 10°F (-12°C) to keep product from crystallizing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Normal room ventilator should be satisfactory. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment: Wear long-sleeved shirt, long pants, and shoes plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear, amber liquid

Odor: Slight amine odor

pH: 4.5 (1% solution in water)

Specific Gravity: 1.16 g/mL

Density: 9.75 lbs./gallon

Solubility: Soluble in water

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Mixing, storing, or applying this product in galvanized or unlined steel containers or spray tanks.

CHEMICAL STABILITY: This product is stable under normal handling and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Caustic (basic) materials; galvanized or unlined steel

HAZARDOUS DECOMPOSITION PRODUCTS: Heat and fire may result in thermal decomposition and the release of phosphorus pentoxide and oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 4.86 mg/L (4-hour)

EYE IRRITATION: Rabbit – Moderately irritating

SKIN IRRITATION: No data available

SKIN SENSITIZATION: No data available

CARCINOGENICITY:

EPA: Not Listed

ACGIH: Not Listed

NTP: Not Listed

IARC: Group 2A¹

OSHA: Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Not known to cause reproductive or birth defects at normal exposure levels.

¹ Carcinogenicity: Not carcinogenic in rats or mice. Listed as Category 2A by the International Agency for Research on Cancer (IARC) but, in the expert opinion of the Joint Glyphosate Task Force, this classification as a carcinogen is not warranted.

12. ECOLOGICAL INFORMATION

Glyphosate has been shown to be slightly to moderately toxic in aquatic studies and has been shown to be practically non-toxic to avian species following subacute dietary exposure

The following information is for the active ingredient, Glyphosate acid:

AQUATIC TOXICITY:

Rainbow Trout (96-hr LC₅₀): 18.6 mg/L

Bluegill (96-hr LC₅₀): 11.9 mg/L

Algae (72-hr LC₅₀): 17.4 mg/L

AVIAN TOXICITY:

Bobwhite Quail (LC₅₀): > 2,000 mg/kg

Mallard Duck (LC₅₀): > 2,000 mg/kg

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US DOT:

Not regulated by DOT.

15. REGULATORY INFORMATION

FIFRA –

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

See inside label booklet for additional Precautionary Statements and Directions for Use including Storage and Disposal instructions.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

PHYSICAL OF CHEMICAL HAZARDS

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode, causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

15. REGULATORY INFORMATION (CONT.)

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

N/A

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA Reportable Quantity (RQ) –

None

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the state of California to cause cancer or reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

DISCLAIMER: THIS INFORMATION IN THIS SDS IS BASED ON DATA AVAILABLE AS OF THE REVISION DATE GIVEN HEREIN, AND BELIEVED TO BE CORRECT. THIS SDS DOES NOT REPLACE OR MODIFY THE EPA-ACCEPTING PRODUCT LABELING. CONTACT RAGAN & MASSEY, INC. TO CONFIRM IF YOU HAVE THE MOST CURRENT SDS. JUDGMENTS AS TO THE SUITABILITY OF THE INFORMATION HEREIN FOR THE INDIVIDUAL'S OWN USE OR PURPOSES IS NECESSARILY THE INDIVIDUAL'S OWN RESPONSIBILITY. ALTHOUGH REASONABLE CARE HAS BEEN TAKEN IN THE PREPARATION OF SUCH INFORMATION, RAGAN & MASSEY, INC. EXTENDS NO WARRANTIES, MAKES NO REPRESENTATIONS, AND ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUITABILITY OF SUCH INFORMATION FOR APPLICATION TO THE INDIVIDUAL'S PURPOSES OR THE CONSEQUENCES OF ITS USE.

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