



MATERIAL SAFETY DATA SHEET

Emergency Phone: NPIC 1-800-858-7378

Effective Date: June 18, 2010

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Alecto 41 S

DESCRIPTION: A liquid herbicide.

EPA Reg. No. 9468-33

COMPANY IDENTIFICATION:

Ritter Chemical

P. O. Box 430974

Houston, TX 77243

(713) 463-5407

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Chemical Name</u>	<u>Chemical Formula</u>	<u>CAS Number</u>	<u>Composition</u>
Glyphosate	Isopropylamine salt of <i>N</i> -(phosphonomethyl)glycine	C ₈ H ₁₇ N ₂ O ₅ P	38641-94-0	41.0%

3. HAZARD IDENTIFICATION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS: Causes moderate eye irritation. This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

ENVIRONMENTAL HAZARDS: Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

4. FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. This product is identified as Alecto 41 S, EPA Registration No. 9468-33. For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 9 a.m. to 5 p.m. After 5:00 p.m. call your poison control center at 1-800-222-1222.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.



5. FIRE-FIGHTING MEASURES

Flash point (Closed Cup): N/A

Flammable Limits (LFL-UFL): Unknown.

Fire and Explosion Hazards: Can form noxious fumes when thermally decomposed. Runoff may cause environmental contamination.

Means of Extinction: Water fog, foam, dry chemical or CO₂

Fire Fighting Instructions: Evacuate nonessential personnel to prevent exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Dike and collect any runoff to prevent entry to drains or water bodies.

Firefighting Equipment: Self-contained breathing apparatus and full bunker gear. Equipment should be decontaminated after use.

Hazardous Combustion Products: Thermal decomposition will produce nitrogen oxides, phosphorous oxides and carbon monoxide.

NFPA Ratings: Health – 1 / Flammability – 1 / Instability – 0

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate hazard area and keep unnecessary and / or unprotected personnel from entering the spill area.

Small Spills: Absorb small spills with sand, vermiculite or other inert absorbent material. Place contaminated material in a container for disposal.

Large Spills: Control spill at the source and prevent material from entering soil, sewers, waterways or low areas. Dike large spills using absorbent or impervious material such as clay or sand. Recover materials for reuse or disposal. After removal, clean contaminated area thoroughly with water being sure to recover the wash liquid with additional absorbent material and place in a container for disposal.

7. HANDLING AND STORAGE

Keep container closed to prevent spills and contamination. Store this product in a cool dry place out of reach of children and domestic animals. Store in original container only. Do not allow this product to freeze. Keep out of direct sunlight.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Handle only with adequate ventilation. Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

General: Wash clothing and other absorbent materials that have been exposed to this product. Follow the manufacturer's instructions for cleaning and 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

Appearance: Viscous Amber/Brown Liquid

Odor: Slight

pH: 4.0 – 6.0

Solubility: Emulsifies

Specific Gravity: 1.156 g/ml



10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, flame and extreme temperatures.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: May release nitrogen oxide, sulfur oxides, carbon oxides (CO and CO₂) and aniline when thermally decomposed.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with galvanized steel or unlined mild steel. Contact with these metals will create hydrogen, a highly flammable gas that can explode.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY

Oral LD₅₀ (rat): > 5,000 mg/kg

ACUTE DERMAL TOXICITY

Dermal LD₅₀ (rat): > 5,000 mg/kg

ACUTE INHALATION TOXICITY

Inhalation LC₅₀ (rat): > 2.01 mg/L (4-hour)

EYE IRRITATION

Rabbit – Moderately irritating

SKIN IRRITATION

Rabbit – Slightly irritating

SENSITIZATION

Guinea Pig – Not a contact sensitizer

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Exposure to vapors may increase tendency to respiratory or bronchial infections.

CARCINOGENICITY:

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed

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

ADDITIONAL DATA: Not known to cause reproductive or birth defects at normal exposure levels.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY

Bluegill Sunfish (96hr LC₅₀): 7.3 mg/L

Rainbow Trout (96hr LC₅₀): 5.4 mg/L

Daphnia magna (48hr EC₅₀): 11 mg/L

AVIAN TOXICITY

Bobwhite Quail (5-day LD₅₀): > 5,620 mg/kg

Mallard (5-day LD₅₀): > 5,620 mg/kg

OTHER

Bees (48hr LD₅₀): > 100 µg/bee

Earthworm (14-day LC₅₀): > 1,250 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.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated by DOT - Shipping Class 60

MARINE POLLUTANT: No

15. REGULATORY INFORMATION

FIFRA –

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

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

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA –

N/A

CALIFORNIA PROP 65 STATUS –

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

16. OTHER INFORMATION

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

DISCLAIMER:

This Material Safety Data Sheet (MSDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA-APPROVED PRODUCT LABELING (attached to and accompanying the product container). This MSDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course. Use, storage and disposal of pesticide products are regulated by the EPA under the authority of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) through the product labeling, and all necessary and appropriate precautionary, use, storage, and disposal information is set forth on that labeling. It is a violation of federal law to use a pesticide product in any manner not prescribed on the EPA-approved label.

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