

PRO CHEM, INC.

1475 BLUEGRASS LAKES PKWY.
ALPHARETTA, GA 30004
EMERGENCY/INFO # (800) 241-8180
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

MATERIAL SAFETY DATA SHEET**DEAD ZONE / 2803****FEBRUARY 2010****PAGE 1**

HEALTH	1
FIRE	0
REACTIVITY	0
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

SECTION 1 – Chemical and Company Identification**CHEMICAL FAMILY:** Herbicide**SECTION 2 – Composition on Ingredients**

CAS #	NAME	% BY WT.	OSHA PEL/ACGIH TLV	SARA 302/304 (1)*	SARA 313 (2)*	STATE INFO (3)(4)
38641-94-0	Glyphosate, isopropylamine salt	18	n.e.	NO	NO	None

* See Section 15 for more information n/e = none established n/a = not applicable

SECTION 3 – Hazards Information**EMERGENCY OVERVIEW:** CAUTION. Harmful if swallowed. May cause eye irritation. Avoid contact with skin, eyes, or clothing.**PRIMARY ROUTE OF ENTRY:** Eye contact, skin contact**ACUTE/POTENTIAL HEALTH EFFECTS:****EYES:** May cause moderate irritation, redness, tearing, blurred vision.**SKIN:** Brief contact may cause slight irritation. Prolonged contact may cause more severe irritation.**INHALATION:** High concentrations of mist may cause irritation of the respiratory tract.**INGESTION:** Harmful if swallowed. May cause sore throat, abdominal pain, nausea and burns of the mouth, throat and stomach.**CHRONIC/LONG TERM EFFECTS:** None known.**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Dermal exposure may cause local redness and swelling, pain and discomfort.**TARGET ORGAN EFFECTS:** No data.**REPRODUCTIVE/DEVELOPMENTAL INFORMATION:** No data.**CARCINOGENIC INFORMATION:** This material is not listed as a carcinogen by IARC, NTP, or OSHA.**SECTION 4 – First Aid Measures****EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.**SKIN:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.**INGESTION:** Seek medical attention immediately. Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person.**SECTION 5 – Fire Fighting Measures****FLASH POINT:** No flash by standard methods.**EXTINGUISHING MEDIA:** Use appropriate methods for combating surrounding fire.**SPECIAL FIRE FIGHTING PROCEDURES:** Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode. Chemical resistant PPE is recommended.**SECTION 6 – Accidental Release Measures**

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7 – Handling and Storage

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

SECTION 8 – Exposure Controls/Personal Protection**ENGINEERING CONTROLS:** Good general ventilation required.**EYE PROTECTION:** Wear safety glasses or goggles.**SKIN PROTECTION:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.**RESPIRATORY PROTECTION:** When respiratory protection is required, use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.**SECTION 9 – Physical and Chemical Properties****APPEARANCE/ODOR:** Clear, light yellow liquid; slight amine odor**EVAPORATION RATE (BUTYL ACETATE=1):** N/e**SOLUBILITY IN WATER:** Complete**VAPOR PRESSURE (mm Hg):** N/e**VAPOR DENSITY (AIR=1):** N/e**SPECIFIC GRAVITY (H2O=1):** 1.07**pH (1% solution):** 5.0**BOILING POINT:** N/e**SECTION 10 – Stability and Reactivity****STABILITY:** Stable**INCOMPATIBILITY:** Do not apply with a galvanized or unlined steel sprayer, or through any irrigation system.**CONDITIONS TO AVOID:** High temperature**HAZARDOUS POLYMERIZATION:** Will not occur**HAZARDOUS DECOMPOSITION PRODUCTS:** None**SECTION 11 – Toxicological Information****EYES:** rabbit - moderately irritating, irritation cleared by test day 7.**DERMAL LD50:** Rat = > 5.0 g/kg. **SKIN IRRITATION:** Rabbit - slightly irritating.**ORAL LD50:** Rat = >5.0 g/kg.**INHALATION LC50:** Found to be practically nontoxic to rats following a 4-hour inhalation exposure; the inhalation LC50 is >5.7 mg/L**SECTION 12 – Ecological Information**

48-hr LC50 Daphnia: 930 mg/L, Practically Nontoxic

96-hr LC50 Bluegill: >1,000 mg/L, Practically Nontoxic

96-hr LC50 Trout: >1,000 mg/L, Practically Nontoxic

96-hr LC50 Carp: >10,000 ppm, Practically Nontoxic

SECTION 13 – Disposal Consideration**WASTE DISPOSAL METHOD:** Wastes must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.**SECTION 14 – Transport Information****DOT SHIPPING NAME/CLASS:** Not regulated

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.
NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PROCHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.

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SECTION 15 – Regulatory Information**U.S. Federal Regulations:**

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:

ACUTE (X) Chronic () Fire () Pressure () Reactive () Not Applicable ()

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s) None

State and Local Regulations: Certain states maintain their own ingredient, which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

SECTION 16 – Other Information

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

Disclaimer: The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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