



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
 UNITED 85 WEED AND BRUSH KILLER

USE/DESCRIPTION
 Weed and Brush Killer

REVISION DATE
 September 14, 2006

HEALTH (0 = Maximum Safety) 2

Always follow Label Directions and Cautions.

4 Extreme 3 High 2 Moderate 1 Slight 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

REACTIVITY (0 = Maximum Safety) 0

Susceptible to Release of Energy.

- | | |
|--|--|
| 4 May detonate-vacate area if materials are exposed to fire. | 2 Violent chemical change possible-use hose stream from distance |
| 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. | 1 Unstable if heated-use precaution. |
| | 0 Normally stable. |

FLAMMABILITY (0 = Maximum Safety) 2

Susceptibility of Material to Burning.

- | | |
|-----------------------------------|------------------------------|
| 4 Extremely flammable. | 1 Must be preheated to burn. |
| 3 Ignites at normal temperature. | |
| 2 Ignites when moderately heated. | 0 Will not burn. |

PERSONAL PROTECTION



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH TLV (TWA)	OSHA (PEL)	LD50 (Species/Route)	LC50 (Species)
Aliphatic Hydrocarbons	68476-31-3	80-90	NE	NE	NE	NE
Isooctyl ester of 2-4-Dichlorophenoxyacetic acid	1928-43-4	1.09	NE	10 mg/m3	NE	NE
Bromacil	314-40-9	0.98	10 mg/m3	NE	NE	NE
2-Butoxyethanol	111-76-2	10-20	25 ppm (skin)	25 ppm (skin)	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause severe irritation, redness, tearing, and blurred vision.

Skin: Prolonged or repeated exposure may cause redness, dryness, and irritation. Harmful or fatal if absorbed through skin.

Inhalation: Mists are irritating to the respiratory system. May cause weakness, headache, nausea, and unconsciousness.

Ingestion: Can cause gastrointestinal irritation, nausea, cramps, and vomiting. Harmful or fatal; aspiration into the lungs during vomiting may cause chemical pneumonitis.

4. FIRST AID MEASURES

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.

Skin: 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.

Inhalation: Move person to fresh air. If person is not breathing, 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.

Ingestion: Immediately call a poison control center or doctor. DO not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): 145°F/62°C

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon.

Fire and Explosion Hazards: Vapors are heavier than air and may travel a considerable distance from ignition source and then flash back. Containers involved in a fire may become hot enough to rupture and/or explode. Avoid contact with material leaking from drums. Combustible liquid. Keep away from ignition sources, avoid dense accumulation of vapors.

Extinguishing Media: Foam; Carbon dioxide; Dry chemical

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Containers should be cooled with water to prevent vapor pressure build up. Minimize amount of water used to fight fire as run-off may cause pollution.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

Large Spills: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

7. HANDLING AND STORAGE

Store in a cool, dry place away from heat and open flame. Keep container tightly closed when not in use. Do not contaminate water, foodstuffs or feed by storage or disposal. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles

Skin: Chemical resistant gloves

Respiratory: Use with adequate ventilation. If TLV/TWA is exceeded, use NIOSH-approved respirator.

Engineering Controls: Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ND

Specific Gravity: 0.875 (H₂O=1)

Vapor Pressure: ND

Melting Point: ND

Vapor Density: ND

Evaporation Rate: >1 (water=1)

Solubility in Water: Insoluble

pH: NA

Appearance and Odor: Reddish brown liquid with fuel oil scent

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon.

Chemical Stability: Stable

Incompatibility: Oxidizing agents such as bleach.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark.

13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request.

TDG: Available upon request.

UN: Available upon request.

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): ND

TSCA (Toxic Substances Control Act): ND

SARA Title III Section 302 EHS: Yes; Isooctyl ester of 2,4-Dichlorophenoxyacetic acid

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Yes; Isooctyl ester of 2,4-Dichlorophenoxyacetic acid, Bromacil, 2-Butoxyethanol

WHMIS Classification:

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

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 85 WEED AND BRUSH KILLER

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