

MATERIAL SAFETY DATA SHEET

GRASS GETTER

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Issue Date: 01/00

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

GRASS GETTER

EPA Reg. No. 7969-58-54705

Common Name: Liquid herbicide.

Chemical Description: Sethoxydim (Cyclohexanone family).

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For

Lawn & Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Sethoxydim	74051-80-2	18.0	*N.E.	*N.P.
Petroleum solvent	64742-94-5	68.0	100 ppm	N.P.
Napthalene	92-20-3	7.0	10 ppm	N.P.
Nonionic emulsifier	9016-45-9	7.0	N.E.	N.P.

* N.E. - Not Established.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light amber liquid with aromatic odor. Causes temporary eye injury. Harmful if swallowed. Avoid contact with oxidizing agents. Not D.O.T. regulated.

HEALTH: 2

REACTIVITY: 1

FLAMMABILITY: 2

ENVIRONMENT: 1

(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Flush eyes with plenty of water. Call a physician if irritation persists.

Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

Ingestion: DO NOT INDUCE VOMITING. Dilute with water and get immediate medical attention. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Call a physician or Poison Control Center.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get immediate medical attention.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	145°F as solvent.
Test Method:	Not available.
LEL Flammable Limits:	1.3 @ 70°C
UEL Flammable Limits:	5.3 @ 103°C
Autoignition Temperature:	Approximately 443°C
Flammability Classification:	Combustible.
Known Hazardous Products of Combustion:	Not available.
Properties that Initiate/Contribute to Intensity of Fire:	Not available.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	Not known.
Unusual Fire & Explosion Hazards:	None.
Extinguishing Media:	Water fog, foam or dry chemical.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Collect liquid or absorb onto absorbent material and package for disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with eyes, skin and clothing. Harmful if swallowed. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling.

SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

Eyes:	Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.
Skin:	Impervious gloves and clothes.
Respiratory:	Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).
Ventilation:	Recommended but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Light amber liquid.
Odor:	Aromatic.
pH:	4 - 5 (as is)
Vapor Pressure:	2 mm Hg @ 20°C
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Forms emulsion.
Density:	7.8 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	Heat, air, moisture.
Incompatibility:	Oxidizing agent.
Hazardous Decomposition Products:	SO ₂ and NO _x during combustion.
Hazardous Polymerization:	Does not occur.

SECTION 11. POTENTIAL HEALTH EFFECTS

<u>Acute Effects:</u>	
Eyes:	Moderate irritant. Causes redness and burning.
Skin:	Irritant, especially from prolonged exposure. May cause defatting and dermatitis. Rat Dermal LD ₅₀ > 5 g/kg.
Ingestion:	May cause stomach cramps, nausea, vomiting, diarrhea, headache, listlessness, bladder irritation and brownish urine. Rat Oral LD ₅₀ = 4.1 g/kg.
Inhalation:	May cause headache, dizziness, drowsiness and confusion. Rat (4 hours) Inhalation LC ₅₀ > 54.6 mg/L.
<u>Subchronic Effects:</u>	Not known.
<u>Chronic Effects:</u>	Chronic overexposure to naphthalene may result in liver/kidney disorders. Hemolysis, anemia, fever, hemoglobinuria and jaundice may also occur.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Bluegill Sunfish 96 Hour LC ₅₀ = 1.6 mg/L; Rainbow Trout 96 Hour LC ₅₀ = 1.2 mg/L; Daphnia magna 48 Hour LC ₅₀ = 2.6 mg/L.
Toxicity to Plants:	Toxic.
Toxicity in Birds:	Low avian toxicity.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Compounds, Tree or Weed Killing (Herbicide), Liquid. NMFC Item 50320, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: Napthalene is listed as a priority pollutant under the Clean Water Act and, as such, falls under the CERCLA spill reporting requirements of 40 CFR 302.

SARA TITLE III, Section 313 Toxic Chemicals: Napthalene (7.0%).

Proposition 65: None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.