

MATERIAL SAFETY DATA SHEET

GRASS GETTER®

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Issue Date: 10/09

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) 994-9144

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.
Solvent Naptha	64742-94-5	65.35	*N.A.	N.P.
Napthalene	91-20-3	7.32	10 ppm	100

*N.A. – Not Available.

* N.E. - Not Established.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light amber liquid with aromatic odor. Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through skin. Avoid contact with eyes skin and clothing. Avoid contact with oxidizing agents. Not D.O.T. regulated.

HEALTH: 2 REACTIVITY: 1 FLAMMABILITY: 2 ENVIRONMENT: 0
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing. 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.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor.

Inhalation: Remove victim to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

Note to Physician: Because of the increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent, vomiting should be induced only under professional supervision.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	145°F .
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:	Releases carbon monoxide, carbon dioxide, nitrogen oxides and sulfur oxides.
Extinguishing Media:	Foam, dry extinguishing media, carbon dioxide, water spray.
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. Causes substantial but temporary eye injury. 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:	Waterproof gloves, long-sleeved shirt and long pants, shoes plus socks.
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
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Appearance:	Light amber liquid.
Odor:	Aromatic.
pH:	4 – 5 (as is)
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available.
Freezing Point:	Not available.
Water Solubility:	Emulsifiable.
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
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Stability:	Stable.
Conditions To Avoid:	Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contamination. Avoid electro-static discharge. Avoid prolonged storage.
Incompatibility:	Oxidizing agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, sulphur dioxide, nitrogen dioxide.
Hazardous Polymerization:	Does not occur.

SECTION 11.	POTENTIAL HEALTH EFFECTS
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<u>Acute Effects:</u>	
Eyes:	Irritating to eyes.
Skin:	Prolonged contact with skin may irritate and cause dermatitis. May aggravate existing skin condition. Rat Dermal LD ₅₀ > 4,000 mg/kg.
Ingestion:	May cause stomach cramps, nausea, vomiting, diarrhea, headache, listlessness, bladder irritation. Oral LD ₅₀ (Rat/male) = 5,000 mg/kg. Oral LD ₅₀ (Rat/female) = 4,285.8 mg/kg.
Inhalation:	Inhalation of high vapor/aerosol concentrations may cause headache, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects. Rat (4 hours) Inhalation LC ₅₀ > 7.6 mg/L.
<u>Subchronic Effects:</u>	Not known.
<u>Chronic Effects:</u>	Existing dermatitis may be aggravated by exposure.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Very toxic to aquatic plants. Algae/EC ₅₀ : > 0.3 ppm.
Toxicity to Fish and Invertebrates:	High probability that the product is not acutely harmful to fish. Rainbow trout LC ₅₀ = 170 ppm.
Toxicity to Plants:	Not available.
Toxicity in Birds:	Mallard duck: LC ₅₀ : > 5,620 ppm
Toxicity to Bees:	Acutely toxic to Honey bees: LD ₅₀ : > 10 ug/bee

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; 1,2,4-trimethylbenzene, sethoxydim.

Proposition 65: ATTENTION: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm – Ethylene oxide, Naphthalene.

State Right To Know: Napthalene – CAS No. 91-20-3 – Massachusetts, New Jersey and Pennsylvania.

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.

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