

MATERIAL SAFETY DATA SHEET

E-RASE™ CONCENTRATE

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Issue Date: 01/02

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

E-RASE™ CONCENTRATE

EPA Reg. No. 68186-1-54705

Common Name: Liquid fungicide.

Chemical Description: Liquid jojoba seed oil.

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)
Component B	Trade Secret	2.5%	N.E*	N.P.*

* N.E. – Not Established.

* N.P. – Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Golden yellow or clear liquid with nutty odor. May cause irritation to eyes and skin. Do not store below 50°F. Not D.O.T. regulated.

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

SECTION 4. FIRST AID

- Eyes: Immediately flush eyes with copious amounts of clear cool water for at least 15 minutes. Call a poison control center or physician for treatment advice.
- Skin: Wash with plenty of soap and water. Seek medical attention if irritation develops.
- Ingestion: General precautionary measures suggest giving two glasses of water. Never give anything by mouth to an unconscious person. Contact a physician immediately.
- Inhalation: Remove person to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	295-338°C (563-640°F).
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	Not available.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	None known.
Extinguishing Media:	Dry chemical.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and goggles. Avoid inhalation of vapors and fumes. 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 proper disposal.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container in a cool, well-ventilated, dry place at temperatures above 50°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 moderate eye irritation. Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Keep children and pets off the treated area until sprays have dried.

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:	Long-sleeved shirt, long pants, and rubber gloves.
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:	Golden yellow or clear liquid.
Odor:	Nutty odor.
pH:	Not available.
Vapor Pressure:	Not available.
Vapor Density (Air=1):	Not available.
Boiling Point:	398°C (748°F).
Freezing Point:	Not available.
Water Solubility:	Emulsifiable.
Density:	8.30 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile by Vol.:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions To Avoid:	None known.
Incompatibility:	Concentrated oxidizing or reducing agents are incompatible with the minor components of this product.
Hazardous Decomposition Products:	Acrid smoke and fumes are emitted when heated to decomposition.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes:	Symptoms of eye contact include burning sensation or stinging of eyes and lids, excessive watering of eyes, and inflammation of the conjunctiva. Primary eye irritation (rabbits): There were no "positive" effects exhibited in any eyes at 72 hours after treatment.
Skin:	Slightly irritating. Dermal LD ₅₀ (rabbit): >2,020 mg/kg.
Ingestion:	May cause irritation of the gastrointestinal tract following ingestion of large amounts. Oral LD ₅₀ (rat): >5,050 mg/kg.
Inhalation:	Symptoms of inhalation may include coughing, irritation of mucous membranes in the nose, throat, and eyes, and difficulty in breathing.

Subchronic Effects: None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Toxic.
Toxicity to Plants:	Not known.
Toxicity in Birds:	Not known.

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:	Insecticides or Fungicides, Liquid. NMFC Item 102120, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

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.