

MATERIAL SAFETY DATA SHEET

STRAWBERRY & FRUIT TREE WEEDER

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Issue Date: 06/09

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

STRAWBERRY & FRUIT TREE WEEDER

EPA Reg. No. 70506-33-54705

Chemical Description: Napropamide [N,N-diethyl-2-(1-naphthalenyloxy)-propionamide]

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

Manufactured For

Lawn and 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)
Napropamide	15299-99-7	2.0	N.A.*	N.P.*

* N.A. - Not Available.

* N.P. - Not Pertinent.

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Tan granules. Dust may be irritating to eyes, skin and respiratory system. This product is not flammable. However, under fire conditions, it may decompose to give off toxic fumes. Not D.O.T. regulated.

HEALTH: 2 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 plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin: Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.

Ingestion: If victim is alert and not convulsing, rinse out mouth and give 200-300 ml (1 cup) of water to dilute material. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

Inhalation: Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Not applicable.
Test Method:	Not available.
LEL Flammable Limits:	Not available.
UEL Flammable Limits:	Not available.
Autoignition Temperature:	No data.
Flammability Classification:	Nonflammable.
Known Hazardous Products of Combustion:	Under fire conditions, this product may decompose to give off toxic materials.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
Potential For Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	Not known.
Potential for Release of Flammable Vapors:	Upon combustion.
Unusual Fire & Explosion Hazards:	Not known.
Extinguishing Media:	Water spray, dry chemical, alcohol foam, or CO ₂ .
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:	Sweep up spilled material being careful not to create dust. Place sweepings in a chemical waste container for disposal. Generously cover the contaminated areas with common, household detergent (e.g. TIDE, registered trademark of Proctor & Gamble Co.). Using a stiff brush and small amounts of water, work the detergent into the remaining spilled material forming a slurry. Brush the slurry into cracks and crevices and allow to stand for 2-3 minutes. Be careful to completely avoid skin or eye contact. Do not splatter oneself or bystanders. Seal drum and dispose contaminated material in a facility permitted for hazardous waste. Otherwise, in case of emergency call Chemtrec, day or night, 1-800-424-9300.
Evacuation:	Not necessary.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in original container in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame. Exercise due caution to prevent damage to or leakage from container. Do not stack pallets more than 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. May be harmful if swallowed. Do not breathe dust. Avoid contamination of food and feed.

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. An eyewash facility needs to be available.
Skin:	Wear long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as Barrier Laminate, Nitrile Rubber (> 14 mils), Neoprene rubber (> 14 mils) or Viton (> 14 mils).
Respiratory:	Not normally needed. A MSHA/NIOSH approved respirator for pesticides.
Ventilation:	Recommended, but no TLV established.

SECTION 9. PHYSICAL AND CHEMICAL DATA

Appearance:	Tan granules.
Odor:	Not available.
PH:	Not applicable.
Vapor Pressure:	Not applicable.
Vapor Density (Air = 1):	Not applicable.
Boiling Point:	Not applicable.
Freezing Point:	Not applicable.
Water Solubility:	Not known.
Density:	38 – 43 lb./cu. Ft. (loose bulk)
Evaporation Rate:	Not applicable.
Viscosity:	Not applicable.
% Volatile by Volume:	Not available.
Octanol/Water Partition Coefficient:	Not determined.
Saturated Vapor Concentration:	Not determined.

SECTION 10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Not known.
Incompatibility:	This product is relatively non-reactive. Non-corrosive to materials commonly used in the construction of process equipment, storage and shipping containers.
Hazardous Decomposition Products:	Combustion products: toxic gases.
Hazardous Polymerization:	Will not occur.

SECTION 11. POTENTIAL HEALTH EFFECTS

<u>Acute Effects:</u>	
Eyes:	Moderately irritating.
Skin:	May cause mild skin irritation. LD ₅₀ (rabbit): > 2000 mg/kg.
Ingestion:	May cause nausea or stomach cramps. A single dose of this product is classified as "practically nontoxic" by ingestion. LD ₅₀ (rat): > 5000 mg/kg.
Inhalation:	Since this product is in a granular form, significant inhalation exposure is unlikely to occur. LC ₅₀ (rat): > 5 mg/L – 4 hr.
<u>Subchronic Effects:</u>	None known.

Chronic Effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Toxic.
Toxicity to Fish and Invertebrates: Toxic.
Toxicity to Plants: Toxic to pre-emerged weeds.
Toxicity in Birds: Toxic.

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).
NMFC Item 50320, LTL Class 60

SECTION 15. REGULATORY INFORMATION

CERCLA: None.
SARA TITLE III, Section 313 Toxic Chemicals: None.
PROPOSITION 65 (CA): 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.