

# MATERIAL SAFETY DATA SHEET

BRUSH BUSTER

Page 1 of 4

Issue Date: 10/99

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

BRUSH BUSTER

EPA Reg. No. 228-186-54705

Common Name:

Chemical Description: Liquid 2,4-D herbicide.

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)
Isooctyl Ester of 2,4-dichlorophenoxyacetic acid	25168-26-7	16.05	10 Mg/M <sup>3</sup>	N.P.*
Isooctyl Ester of 2-(2,4-dichloro-phenoxy) propionic acid	28631-35-8	16.10	N.A.*	N.P.
Kerosene	8008-20-6	64.35	400 ppm	N.P.

\* N.A. - Not Available.

\* N.P. - Not Pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Amber liquid with kerosene odor. May cause noxious fumes with chlorinated hydrocarbon decomposition products. Not D.O.T. regulated.

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

## SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Seek medical attention immediately.

Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Aspiration of material into lungs may cause chemical pneumonitis which can be fatal. Contact a physician immediately.

Inhalation: Move to fresh air. If symptoms develop, seek medical attention.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	135 – 140°F.
Test Method:	T.C.C.
LEL Flammable Limits:	Not known.
UEL Flammable Limits:	Not known.
Autoignition Temperature:	Not known.
Flammability Classification:	Combustible.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	Not known.
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:	Product will generate noxious fumes under extreme fire conditions.
Extinguishing Media:	Water, carbon dioxide, dry chemical, or foam.
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. 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:	Wear long sleeves and trousers, chemical resistant gloves and additional protective clothing when needed to prevent dermal exposure.
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:	Amber liquid.
Odor:	Solvent (kerosene) odor.
pH:	Not known.
Vapor Pressure:	5.00 mm hg @ 77°F.
Vapor Density (Air = 1):	4.5
Boiling Point:	350°F
Freezing Point:	Not known.
Water Solubility:	Emulsifiable.
Density:	5.59 lbs./gal.
Evaporation Rate:	Not determined.
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:	Not available.
Incompatibility:	Avoid strong oxidizers.
Hazardous Decomposition Products:	Noxious fumes with chlorinated hydrocarbon decomposition products (HCL).
Hazardous Polymerization:	Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**Acute Effects:

Eyes:	Mild irritant. May cause redness, irritation and tearing.
Skin:	May cause moderate irritation.
Ingestion:	May cause stomach cramps and/or nausea.
Inhalation:	Excessive inhalation may cause nasal and respiratory irritation. Aspiration may cause chemical pneumonia.

Subchronic Effects: None known.

Chronic Effects: None known.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition:	Not known.
Toxicity to Fish and Invertebrates:	Not known.
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:	Compounds, Tree or Weed Killing (2,4-D Formulations), Liquid. NMFC Item 50320, LTL Class 60

**SECTION 15. REGULATORY INFORMATION**

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: 2,4-dichlorophenoxyacetic Acid (16.05%)

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.