

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Poison Ivy & Brush Killer BK-32

ID #2281864

Date: April 14, 2006

Section I

Bonide Products, Inc.
6301 Sutliff Road
Oriskany, NY 13424

(800) 424-9300
(315) 736-8231

Section II - Hazardous Ingredients/Identity

| Hazardous Components (Specific Chemical Identity: Common Name(s) | OSHA PEL | ACGIH TLV | Other Limits | % (Optional) |
|--|----------|-----------|--------------|---------------|
| Isocetyl (2-ethyhexyl) Ester of | | | | |
| 2,4-dichlorophenoxyacetic acid, CAS No. 1928-43-4 | | 10 mg/M3 | | 16.05% |
| Isocetyl (20ethylhexyl) Ester of 2,4 Dichlorophenoxy) propionic Acid | | | | 8.05% |
| CAS No. 79270-78-3 | | | | |
| * Other ingredients including Petroleum distillates CAS No. 64742-47-8 | | | | |

Section III - Physical/Chemical Ingredients

Solubility (H2O): Emulsifiable ODOR: Aromatic hydrocarbon odor
APPEARANCE: Amber to brown liquid with Aromatic Odor

Section VIII - Health Hazard Information

ROUTES OF ENTRY: Inhalation, Eyes, Skin, Ingestion

INHALATION: May cause irritation of the respiratory tract. Remove to fresh air. Call a physician if irritation occurs.

SKIN: May cause irritation of skin

INGESTION: HARMFUL IF SWALLOWED. DO NOT INDUCE VOMITING. Call a physician or Poison Control Center immediately.

Medical Conditions Aggravated by Exposure: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

Section IV – First Aid

EYES: Flush eyes with water immediately and continuously for 15 minutes. If present, remove contact lenses after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

INHALATION: Remove to fresh air. Call a poison control center or doctor for treatment advice.

SKIN: Immediately wash skin with plenty of soap and water and continue to flush area for 15 minutes. Remove clothing and wash before reuse. Consult a physician. INGESTION: HARMFUL IF SWALLOWED. DO NOT INDUCE VOMITING. Call a physician or Poison Control Center immediately. May cause nausea, vomiting, abdominal pain, decreased blood pressure, muscle weakness, muscle spasms. The petroleum hydrocarbon component may cause irritation to respiratory tract, headaches, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

Section V - Fire and Explosion Data

FLASHPOINT: 250° F 121° C TCC/NA LEL (%): 0.8 UEL (%): 7.0

EXTINGUISHING MEDIA: Carbon dioxide and dry chemical for small fires. Use water spray or foam or water spray for large fires.

FIRE AND EXPLOSION HAZARD: Emits toxic fumes when heated to decomposition- Hydrogen chloride, nitrogen oxides and carbon oxides..

SPECIAL FIRE FIGHTING INSTRUCTIONS: Use positive pressure, self-contained breathing apparatus and full fire-fighting turn out gear. Use dikes to prevent contamination of water supplies.

Section VI - Environmental and Disposal Information

SPILL OR LEAK PROCEDURES: Absorb spills with materials such as sand, clay or dirt. Contain spills by diking to keep out of sewers.

WASTE DISPOSAL METHODS: Do not contaminate food, feed or water by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Use according to label instructions, otherwise contact your State or Federal environmental control agency for disposal guidance.

SARA Title III Notifications and Information:

Acetic Acid (2,4 – Dichlorophenoxy) CAS no. 94-75-7 - Reportable Quantity Pounds: 100

RCRA Waste Code: Acetic Acid, (2,4-Dichlorophenoxy) CAS no. 94-75-7 U240

SARA Title III - Hazard Classes: Acute Health Hazard

Section VII - Environmental and Disposal Information (continued)

SARA Title III - Section 313 Supplier Notification:

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372:

| CAS# | Chemical Name | Percent of Mixture |
|-----------|--------------------------|------------------------------------|
| 1928-43-4 | 2,4 D 2-ethylhexyl ester | 16.05% by weight in product |
| 94-75-7 | 2, 4-Dichlorophenoxy | 10.6% equivalent weight in product |

Other Environmental Information:

DOT Classification: None as packaged

Freight Classification: Compound Tree or Weed Killing, N.O.I.

Section VIII - Precautions for Safe Handling/Use

STORAGE & HANDLING: Keep out of the reach of children. Do not swallow. Do not get in the eyes, on skin or on clothing. Avoid breathing mist or vapor.

PROTECTIVE MEASURES: VENTILATION: Use only with adequate ventilation. **EYE PROTECTION:** Use chemical goggles. **SKIN PROTECTION:** Use protective clothing impervious to this material. Use of items such as gloves, boots, apron or full body suit will depend on the operation. **RESPIRATORY PROTECTION:** Use a NIOSH/MSHA approved respiratory.

STORAGE: Use original container to store pesticide in a secured building. Open only in well ventilated area. Keep container tightly sealed when not in use. Do not store near open containers of fertilizer, see, or other pesticides. Do not contaminate water, food or feed by storage or disposal.

Section IX Physical and Chemical Properties

| | | |
|----------------------------------|---------|---------------------------|
| PHYSICAL STATE: Liquid | pH: 4.7 | FLASHPOINT: 250° F 121° C |
| SOLUBILITY IN WATER: Dispersible | | DENSITY: 8.12 lbs/gal. |

Section X - Reactivity Data

STABILITY: Stable

INCOMPATIBLE MATERIALS: Acids, bases, oxidizing materials

CONDITIONS TO AVOID: Keep away from heat, sparks, open flame and other ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, may produce gases such as hydrogen chloride, nitrogen oxides, and carbon oxides

HAZARDOUS POLYMERIZATION: Will not occur.

NFPA: Health: 2 Flammability: 1 Reactivity: 1

Hazard Scale: 0=Minimal 1=Slight 2=Moderate 3=Serious 4= Severe

KEEP OUT OF REACH OF CHILDREN

ABBREVIATION KEY

| | | |
|----------------------------------|--|--------------------|
| N/A: NOT AVAILABLE OR APPLICABLE | N/E: NOT ESTABLISHED | ND: Not Determined |
| TLV: THRESHOLD LIMIT VALUE | TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY | |
| STEL: SHORT TERM EXPOSURE LIMIT | D.O.T.: DEPARTMENT OF TRANSPORTATION | |

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Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.