

### Section I- Identification (As Used on Label and List)

**Bonide All Seasons Horticultural & Dormant  
Spray Oil Concentrate**

**ID # 480**

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

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

Use per label directions. For Residential use. Not for human consumption.



### Section II - Hazardous Identification

**Emergency Overview -WARNING:** May be harmful if swallowed or inhaled. Mist may cause irritation of eyes, nasal passages, throat and skin. Prolonged or repeated exposure may lead to reddening of skin, rash, dermatitis or other skin reactions, possible due, in part, to the removal of some natural oils and fats from the skin.

### Section III – Composition/ Ingredients

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Mineral Oil				98.80

### Section IV – First Aid Measures

**EMERGENCY AND FIRST AID PROCEDURES: INGESTION:** Drink 1 or 2 glasses of water to dilute material. Do not induce vomiting, as potential aspiration may induce chemical pneumonia.

**EYES:** Flush with running water for at least 15 minutes while holding eyelids open. If irritation persists, get medical attention.

**SKIN:** Remove all contaminated clothing. Wash skin and hair thoroughly with soap and water. Wash clothing before reuse. If irritation persists, get medical attention.

**INHALATION:** Remove to fresh air. If irritation persists, get medical attention.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material.

### Section V – Fire-fighting Measures

**FLASHPOINT:** >200° F

**FLAMMABLE LIMITS (PERCENT BY VOLUME):** NE

**FIRE EXTINGUISHING MEDIA:** Can be made to burn; ease of burning is directly related to temperature. Dry Chemical, CO<sub>2</sub>, Foam, Water Spray or Fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Smoke and fumes from fire may contain hazardous components. Use self-contained breathing apparatus and full protective clothing. Fight fire from upwind side.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** If water is used to fight fire or cool containers, contain run-off by diking to prevent contamination of water supplies.

### Section VI – Accidental Release Measures

**SPILL OR LEAK PROCEDURES:** Contain spill; absorb liquids by covering with clay or other absorbent material; vacuum, scoop or sweep up wastes and place in container for disposal.

### Section VII – Handling & Storage

**HANDLING AND STORAGE:** Store in a cool, dry place away from children, domestic animals, food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product. Immediately clean up any spills which occur during handling and storage.

**OTHER PRECAUTIONS:** Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes. Keep work and storage areas clean. Read and follow precautionary measures on product label.

### Section VIII – Personal Protection Equipment

**PROTECTIVE GLOVES:** Work gloves or impervious gloves. If prolonged exposure cannot be avoided, wear impervious gloves.

**EYE PROTECTION:** None normally required; follow local work rules. Chemical goggles or shielded safety glasses recommended for prolonged or repeated exposure.

**Section VIII – Personal Protection Equipment**

OTHER PROTECTIVE EQUIPMENT: Wear clothing consistent with good practices for handling and applying pesticides. Wash clothing before reuse.

RESPIRATORY PROTECTION): Not normally required. If vapors may exceed acceptable levels, wear MSHA/NIOSH-approved respirator or mask to protect against pesticide dusts, mists and vapors.

VENTILATION:

LOCAL EXHAUST: Not normally required      OTHER: Work in a well-ventilated area

MECHANICAL (General): Not normally required. Use if ventilation is not adequate.

**Section IX – Physical & Chemical Properties**

BOILING POINT: >200°F (wide range)

SPECIFIC GRAVITY: 0.85

VAPOR PRESSURE (MM. of Mercury): <0.0001

VAPOR DENSITY (AIR=1): 10+

PERCENT VOLATILE (BY VOLUME): Negligible

SOLUBILITY IN WATER: Emulsifies in water

AUTOIGNITION TEMPERATURE: 650°F (est.)

DENSITY: 7.08 lbs/gal

EVAPORATION RATE (BUTYL ACETATE=1): Lower than Butyl Acetate

APPEARANCE AND ODOR: Clear, colorless, oily liquid with virtually no odor.

**Section X – Stability & Reactivity Data**

STABILITY: Stable      CONDITIONS TO AVOID: Excessive Heat      CONDITIONS TO AVOID: NE

HAZARDOUS POLYMERIZATION: Will not occur      INCOMPATIBILITY (Materials to avoid): Strong Oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Unknown hazardous materials may be formed in a fire situation. Incomplete combustion may lead to formation of carbon monoxide and/or other asphyxiates.

**Section XI - Toxicology Information**

POTENTIAL CARCINOGEN STATUS: Tests on laboratory animals with highly-refined oils such as those contained in this product have shown no evidence of carcinogenicity. None of the other components in this product is listed by IARC, NTP or OSHA as a carcinogen.

**Section XII - Ecological Information**

Do not apply directly to water, or to areas where surface water is present or in areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of water.

**Section XIII - Disposal Information**

WASTE DISPOSAL METHOD: Material which cannot be used at the site should be disposed of in an approved waste disposal facility following all applicable Federal, State and local regulations. Triple rinse empty containers and offer for recycling or reconditioning, or puncture and dispose of in an approved sanitary landfill. Do not contaminate water supplies by disposal of wastes or containers.

**Section XIV- Transportation Information**

DOT CLASS: Non – Regulated Material

**Section XV- Regulatory Information**

RCRA Regulated: No

NFPA: H: 1    F:0    R:0

HMIS: H: 1    F:1    R:0

**Section XVI- Additional Information**

Revision Date: 9/18/13

NOTICE: This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

**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

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

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