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 All Seasons Horticultural & Dormant Spray Oil Concentrate

ID # 480

Date: March 10, 2008

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)
Petroleum Oil				98.80

Section III - Physical/Chemical Ingredients

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 IV - Fire and Explosion Data

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, CO2, 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 V - 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 asphyxiants.

Section VI - Health Hazard Information

ROUTES OF ENTRY: Ingestion, inhalation, eyes and skin contact. MOST LIKELY ROUTE OF ENTRY: Dermal product is considered to be of low to moderate toxicity. May be harmful if swallowed or inhaled. 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.
EMERGENCY AND FIRST AID PROCEDURES: Call a physician immediately in all cases of suspected poisoning. 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: None known. Preexisting skin or respiratory disorders may be aggravated by excessive exposure to this material. 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 VII - Precautions for Safe Handling/Use

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.
RESPIRATORY PROTECTION (Specify type): 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 SPECIAL: Not normally required
MECHANICAL (General): Not normally required. Use if ventilation is not adequate.
OTHER: Work in a well-ventilated area
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.
OTHER PROTECTIVE EQUIPMENT: Wear clothing consistent with good practices for handling and applying pesticides. Wash clothing before reuse.

Section VIII - Environmental and Disposal Information

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

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

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