

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 Liquid Plant Food 10-10-10

ID # 108

Date: May 15, 2009

Section I

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

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

Section II - Hazardous Ingredients/Identity/Composition

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Total Nitrogen				10%
2% Ammoniacal Nitrogen				
2% Nitrate Nitrogen				
2% Urea Nitrogen				
Available Phosphate (P ₂ O ₅)				10%
Soluble Potash (K ₂ O)				10%
(Derived from Ammonium Phosphate and Mutirate of Potash)				

Section III – First Aid

ROUTES OF ENTRY: Ingestion, inhalation, eyes and skin contact. May be harmful if swallowed or inhaled. May cause irritation of eyes, nasal passages, throat and skin.

EMERGENCY AND FIRST AID PROCEDURES: Call a physician immediately in all cases of suspected poisoning.

INGESTION: 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.

Section IV - Fire and Explosion Data

FLASHPOINT: Not flammable

FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Use water or other agent suitable for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contain runoff from bodies of water, rivers, streams and lakes.

Section V – 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. Keep from water sources.

RESPIRATORY PROTECTION: Not generally required; Best practice to use in well ventilated area.

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended.

SKIN PROTECTION: Long sleeves, impervious gloves

Section VI - Handling & Storage

HANDLING AND STORAGE: Store in original container, tightly closed. Keep out of the reach of children. Always practice good hygiene when handling this or any chemical. Wash thoroughly with soap and water any exposed areas. No eating, drinking or smoking in work area. Store in a cool, dry place away from children, domestic animals, food, feed products and water sources. 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.

Section VII - Personal Protection Information

RESPIRATORY PROTECTION: Not generally required; Best practice to use in well ventilated area.

EYE PROTECTION: Safety glasses with side shields, goggles, or faceshield are recommended.

SKIN PROTECTION: Long sleeves and long pants, impervious gloves or rubber gloves.

VENTILATION: Local Exhaust: Not normally required.

OTHER: Wear clothing consistent with good practices for handling and applying fertilizers. Wash contaminated clothing separately and thoroughly before reuse.

Section VIII- Physical/Chemical Ingredients

BOILING POINT: > 212° F

pH: 6-7.5

SPECIFIC GRAVITY: 1.14 (9.6 lbs/gal)

DENSITY: NA

VAPOR PRESSURE: NA

VAPOR DENSITY: NA

SOLUBILITY IN WATER: soluble

EVAPORATION RATE: NA

APPEARANCE AND ODOR: Blue liquid. Characteristic mild fertilizer odor.

Section IX – Stability & Reactivity Data

STABILITY: Stable

POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: Do not allow product to freeze. If frozen, warm to ambient temperature, mix thoroughly.

CONDITIONS TO AVOID: Excessive Heat (greater than 212°F)

INCOMPATIBILITY: None known

HAZARDOUS POLYMERIZATION: Will not occur.

Section X- Toxicology Information

POTENTIAL CARCINOGEN STATUS: N/A

Section XI - Environmental and 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. Do not reuse container. 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. Do not flush in sewers.

DOT: Not regulated

OTHER REGULATORY CLASSIFICATIONS:

SARA TITLE III: EHS – No, CERCLA Reportable – No, Toxic chemicals - No

ERG Guide Sheet: No

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

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