

MATERIAL SAFETY DATA SHEET

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EMERGENCY (24-HOUR) INFORMATION CALL CHEMTREC (800)424-9300
EPA NATIONAL RESPONSE CENTER (800)424-8802

SECTION I: IDENTIFICATION OF PRODUCT

Product Name: Humi-Trend Liquid 12%

Product Class: Humic Acid

Chemical Formula: Polymeric constituent of soils, lignite and peat. Mixture of polymers containing aromatic and nelerocyclic structures, Carboryl groups, and nitrogen. Humi-Trend Liquid 12% is a concentrated liquid extract of humic acids from leonardite ore, a form of humus which is a decay product of organic matter. Humi-Trend Liquid 12% may aid in the uptake of micronutrients.

12% humic acids derived from leonardite not a plant food ingredient

SECTION II: HAZARDOUS INGREDIENTS

CHEMICAL

CAS NO.

None

SECTION III: EMERGENCY/HAZARDS OVERVIEW

Black liquid with slight odor. Not immediate health hazard. Not D.O.T. regulated.

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

SECTION IV: PHYSICAL AND CHEMICAL DATA

Boiling Point: 212°F (100°C)

% Volatile by Weight: Not Known

Vapor Density: Not Known

Solubility In Water: Soluble

Density: 8.9 lbs/gal

Appearance: Black liquid

Odor: Slight odor

Octanol/Water Partition Coefficient: Not Known

Saturated Vapor Concentration: Not Known

Freezing Point: Not Known

pH: 9.5

Vapor Pressure (mm Hg): Not Known

Evaporation Rate: Not Pertinent

Viscosity: Not Known

SECTION V: FIRE AND EXPLOSION DATA

Flash Point: None Pertinent
LEL Flammable Limits: None Pertinent
Autoignition Temperature: None Pertinent
Properties that Initiate/Contribute to Intensity of Fire: None Known
Potential for Release of Flammable Vapors: None Known
Potential for Dust Explosion: None Known
Reactions that Release Flammable Gases or Vapors: None Known
Unusual Fire & Explosion Hazards: Not Pertinent
Extinguishing Media: Dry chemical, CO₂, foam, water spray or fog
Known Hazardous Products of Combustion: None Known
Special Firefighting Procedures: Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.

SECTION VI: REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Not Pertinent
Conditions To Avoid: When mixing liquids with other chemicals, all chemical labels should be read in their entirety to ensure both chemical compatibility, and base on pH.
Incompatibility: Not Pertinent
Hazardous Decomposition Products: Not Pertinent

SECTION VII: HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE / EMERGENCY AND FIRST AID PROCEDURES

Eyes: Wear chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling. If contact occurs, flush eyes immediately with water for at least 15 minutes. Call a physician if irritation persists.

Skin: Wear impervious gloves and clothes. If contact occurs, wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Call a physician if skin becomes irritated.

Ingestion: If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center Immediately.

Respiratory Protection: Not normally needed but recommended NIOSH- approved dust/mist respirator (3M #8500) for nontoxic nuisance dust. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (3M #8710)

Inhalation: If dust causes irritation or distress, remove to fresh air, blow nose to remove dust and call a physician.

Ventilation: Recommended but no TLV established.

ACUTE EFFECTS

Eyes: Mild irritant. May cause redness.

Skin: Mild irritant, especially from prolonged exposure. May cause redness.

Ingestion: May cause stomach cramps and/or nausea.

Inhalation: Inhalation of nuisance dust may cause coughing, sneezing and/or mild irritation of nasal mucous membranes.

SUBCHRONIC EFFECTS

None Known

CHRONIC EFFECTS

None Known

SECTION VIII: SPILL, LEAK, AND DISPOSAL PROCEDURES

Contain all spills and leaks to prevent discharge into the environment. If spilled, sweep up and use according to labeling or package for disposal. If chemical additions or alterations were made, consult a local waste regulator for proper disposal.

SECTION IX: HANDLING AND STORAGE

Storage: Store in a plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 32°F. Do not store in contact with brass. Do not store near food or feeds. Protect from freezing. Do not stack pallets more than two (2) high.

Transfer Equipment: Transfer solutions of product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

Work/Hygienic Practices: Keep out of reach of children. Harmful if swallowed or inhaled. Avoid contact with eyes, skin and clothing. Avoid breathing dusts, spray mist, or vapors. Work in well ventilated area. Wash thoroughly with water after handling.

SECTION X: D.O.T, REGULATORY, AND GENERAL INFORMATION

D.O.T. Shipping Description: Not D.O.T. Regulated

Other Shipping Information: Fertilizing compounds (Manufactured), liquid. NMFC Item 68140 Sub 6, LTL Class 60

CERCLA: None

SARA TITLE III, Section 313 Toxic Chemicals: None

PROPOSITION 65 (CA): Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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