



PO BOX 16458 • FRESNO CA 93755

# MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

## MORA-LEAF HI-P

### I. NAME

PRODUCT/TRADE NAME: MORA-LEAF HI-P  
EPA REGISTRATION #: NONE  
CHEMICAL NAME/Common Name:  
Ammonium Phosphate/Ammonium Phosphate  
Urea/Urea  
Potassium Sulphate/Potassium Sulphate

### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Ammonium Phosphate	7722-76-1	NE	NE
Urea	57-13-6	NE	NE
Potassium Sulphate	7778-80-5	NE	NE

### III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NA  
MELTING POINT: NE  
VAPOR DENSITY (AIR = 1): NA  
% VOLATILES BY VOL.: NA  
ODOR: Salty  
APPEARANCE: Tan Powder  
FLASH POINT/METHOD: NA  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H2O: Soluble

### IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA:  Water Fog  Foam  Alcohol Foam  
 CO2  Dry Chemical  Other  
FIRE FIGHTING PRECAUTIONS & HAZARDS:  
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing smoke or spray mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

### V. CARCINOGEN STATUS

OSHA  NTP  IARC  No Listing Type

### VI. REACTIVITY

Stable  UNSTABLE  HAZARDOUS POLYMERIZATION  
 UNSTABLE  MAY OCCUR  WILL NOT OCCUR  
AVOID: Coppers, Oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS: COx, POx, SOx, NOx

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate personal protective equipment. Sweep or vacuum into disposal container.  
DECONTAMINATION: Treat area with detergent and water, repeat procedure as necessary until area is clean.  
ENVIRONMENTAL HAZARDS: May be toxic to aquatic organisms. Dike to prevent entering drains, sewers or water courses.  
DISPOSAL: Dispose of in accordance with Federal, State and local regulations.

### VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Wash thoroughly before eating, drinking or smoking.  
INHALATION: No PEL/TLV established for this product. May be irritating to the respiratory tract. Wear proper respiratory protection for exposures above the nuisance particulate levels of 15 mg/m<sup>3</sup> total dust, 5 mg/m<sup>3</sup> respirable dust.  
SKIN ABSORPTION: Can cause skin irritation. Wear proper personal protective equipment to reduce skin exposure.  
EYE EXPOSURE: May cause eye irritation. If exposed, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection.  
EFFECTS OF OVEREXPOSURE: Can cause respiratory tract, skin and eye irritation. Ingestion may cause corrosive deterioration of digestive system tissue and ingestion of large amounts may result in vomiting and diarrhea, and excessive fluid loss. Prolonged breathing of dust may cause Pneumoconiosis. Pre-existing medical conditions involving the above symptoms may be aggravated by exposure.  
FIRST AID: In all cases, get prompt medical attention. If ingested, give several

glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate eyes for a minimum of 15 minutes with water. If inhaled, remove victim to fresh air, and administer CPR if necessary.

### IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA-approved respiratory protection for nuisance particulates up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.  
PERSONAL PROTECTIVE EQUIPMENT: Work gloves, safety goggles or glasses with side shields and brow protection.  
VENTILATION: General ventilation to control nuisance dust.

### X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions.

### XI. REGULATORY DATA

SARA HAZARD CLASS:  Acute  Chronic  Flammable  
 Pressure  Reactive  None  
SARA 313:  Yes  No Chemical:  
SARA 302:  Yes  No Chemical:  
TPQ:  
CERCLA:  Yes  No Chemical:  
RQ:  
RCRA:  Yes  No  
NFPA HAZARD RATING: NFPA HAZARD RATING SCALE:  
Health: [1] 0 = Minimal 3 = Serious  
Fire: [1] 1 = Slight 4 = Severe  
Reactivity: [0] 2 = Moderate  
Special: [ ]  
HMIS CODES: HMIS HAZARD RATING SCALE:  
Health: [1] 0 = Minimal 3 = Serious  
Fire: [1] 1 = Slight 4 = Severe  
Reactivity: [0] 2 = Moderate

DATE PREPARED: July 15, 1986  
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\*Technical Material NE - Not Established NA - Not Applicable

**24 Hour Emergency Phone Number**  
**CHEMTREC: (800) 424-9300**

