



IDEAS TO GROW WITH®

PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

MORA-LEAF HI-K

I. NAME

PRODUCT/TRADE NAME: MORA-LEAF HI-K
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Mono Ammonium Phosphate/MAP
Potassium Sulfate/Sulfate of Potash
Potassium Nitrate/Potassium Nitrate
Urea/Urea

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
MAP	7722-76-1	NE	NE
Potassium Sulfate	7778-80-5	NE	NE
Potassium Nitrate	7757-79-1	NE	NE
Urea	57-13-6	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NA
MELTING POINT: NE
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Odorless
APPEARANCE: Gray Crystals
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 HAZARDOUS POLYMERIZATION
 Unstable May Occur Will Not Occur
AVOID: Oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: COx, SOx, NOx, NH3, POx

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Sweep or vacuum into disposal container.
DECONTAMINATION: Treat area with detergent and water.
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 encountered.
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 and eye irritation. Ingestion could cause corrosive deterioration of digestive system tissue and ingestion of large amounts may result in vomiting and diarrhea and excessive fluid loss. No known chronic effects. Preexisting 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 for the exposures encountered. 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 sufficient for intended use.

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
REVISED DATE: August 22, 2002

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*Technical Material NE - Not Established NA - Not Applicable

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

