WILBUR-ELLIS
IDEAS TO GROW WITH®

191 W. Shaw Ave., Ste. #107 – Fresno CA 93704

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

MORA-LEAF B-33

I. NAME

PRODUCT/TRADE NAME: MORA-LEAF B-33
EPA REGISTRATION #: NONE
CHEMICAL NAME/COMMON NAME:
Sodium Borate/Sodium Borate
Zinc Sulfate/Zinc Sulfate
Urea/Urea

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Sodium Borate	1330-43-4	NE	NE
Urea	51-13-6	NE	NE
Zinc Sulfate	7733-02-2	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NA
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): 2.1
% VOLATILES BY VOL.: NA
ODOR: Fishy
APPEARANCE: White Powder
FLASH POINT/METHOD: NA
VAPOR PRESSURE (mmHg): NA
SOLUBILITY IN H2O: Miscible

IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA: [X] Water Fog [X] Foam [ ] Alcohol Foam
[X] CO2 [X] 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 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 [X] No Listing Type

VI. REACTIVITY

[X] Stable HAZARDOUS POLYMERIZATION
[ ] Unstable [ ] May Occur [X] Will Not Occur
AVOID: Oxidizers, Acids
HAZARDOUS DECOMPOSITION PRODUCTS: COx

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 and absorb with inert material. Place in disposal container and repeat procedure as necessary until area is clean.
ENVIRONMENTAL HAZARDS: 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. Do not breathe dust. Wear proper respiratory equipment for the exposures encountered.
SKIN ABSORPTION: Avoid contact with skin. Can cause skin irritation. Wear proper personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. Can cause eye irritation. If exposed, flush eyes for a minimum of 15 minutes with water. Wear proper eye protection to reduce exposure.
EFFECTS OF OVEREXPOSURE: Can cause skin and eye irritation. Ingestion can cause vomiting and diarrhea. 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: Recommend use of NIOSH/MSHA-approved respirator for organic vapors for the exposure encountered. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber gloves, long-sleeved coveralls and chemical goggles.
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: [X] Acute [ ] Chronic [ ] Flammable
[ ] Pressure [ ] Reactive [ ] None
SARA 313: [X] Yes [ ] No Chemical: Zinc Compounds
SARA 302: [ ] Yes [X] No Chemical:
TPQ:
CERCLA: [X] Yes [ ] No Chemical: Zinc Sulfate
RQ: 1000*
RCRA: [ ] Yes [X] No

NFPA HAZARD RATING:
Health: [1]
Fire: [1]
Reactivity: [0]
Special: [ ]

NFPA HAZARD RATING SCALE:
0 = Minimal 3 = Serious
1 = Slight 4 = Severe
2 = Moderate

HMIS CODES:
Health: [1]
Fire: [1]
Reactivity: [0]

HMIS HAZARD RATING SCALE:
0 = Minimal 3 = Serious
1 = Slight 4 = Severe
2 = Moderate

DATE PREPARED: July 13, 2001
REVISED DATE: August 3, 2001

Notice: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

*Technical Material NE - Not Established NA - Not Applicable

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