



PO BOX 16458 • FRESNO CA 93755

MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

MORA-LEAF CALCIUM

I. NAME

PRODUCT/TRADE NAME: MORA-LEAF CALCIUM
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Calcium Chloride/Calcium Chloride
Sodium Chloride/Sodium Chloride
Potassium Chloride/Potassium Chloride
Strontium Chloride/Strontium Chloride

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Calcium Chloride	10043-52-4	NE	NE
Sodium Chloride	7647-14-5	NE	NE
Potassium Chloride	7447-40-7	NE	NE
Strontium Chloride	10476-85-4	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H2O = 1): NA
MELTING POINT: >400 Deg. F
VAPOR DENSITY (AIR = 1): NA
% VOLATILES BY VOL.: NA
ODOR: Odorless
APPEARANCE: White Pellets
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 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: Zinc, Methyl Vinyl Ether or water
HAZARDOUS DECOMPOSITION PRODUCTS: COx, C1

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. Acute Oral LD50 (rat) 1090 - 1668 mg/kg (Dow). Ingestion may cause gastrointestinal irritation or ulceration. Wash thoroughly before eating, drinking or smoking.
INHALATION: No PEL/TLV established for this product. Dust may cause irritation of upper respiratory tract. Do not breathe dust. Wear appropriate respiratory protective equipment for exposures above Dow's recommended PEL of 10 mg/m³.
SKIN ABSORPTION: Avoid contact with skin. Prolonged contact or repeated exposure may cause irritation or burn especially if skin is wet. Wear proper personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. Can cause moderate to severe eye irritation with corneal injury. If exposed, flush eyes for a minimum of 15 minutes

with water. Wear proper eye protection.
EFFECTS OF OVEREXPOSURE: Can cause skin, eye and upper respiratory tract irritation. Ingestion can cause gastrointestinal irritation and ulceration. Prolonged contact may cause skin burns. Corneal injury may also be caused. 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 nuisance particulates for exposures above 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: Neoprene or nitrile gloves, long-sleeved coveralls, chemical goggles and boots, depending on the operations.
VENTILATION: General ventilation sufficient for intended use.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions. Aqueous solutions will corrode metals.

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: [2] 0 = Minimal 3 = Serious
Fire: [1] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate
Special: []
HMIS CODES: HMIS HAZARD RATING SCALE:
Health: [2] 0 = Minimal 3 = Serious
Fire: [1] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate

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*Technical Material NE - Not Established NA - Not Applicable

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

