



PO BOX 16458 • FRESNO CA 93755

# MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

**AMINOFOL MAXIMIZE**

## I. NAME

PRODUCT/TRADE NAME: AMINOFOL MAXIMIZE  
EPA REGISTRATION #: None  
CHEMICAL NAME/Common Name:  
Calcium Nitrate/Calcium Nitrate  
Zinc Nitrate Tetrahydrate/Zinc Nitrate  
Urea/Urea

## II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Calcium Nitrate	10124-37-5	NE	NE
Zinc Nitrate	7779-88-6	NE	NE
Urea	57-13-6	NE	NE

## III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.231  
MELTING POINT: NA  
VAPOR DENSITY (AIR = 1): NA  
% VOLATILES BY VOL.: NA  
ODOR: Metallic  
APPEARANCE: Amber Liquid  
FLASH POINT/METHOD: NA  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H<sub>2</sub>O: Soluble

## IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA:  Water Fog  Foam  Alcohol Foam  
 CO<sub>2</sub>  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. A fire and explosion hazard when combined with combustible, organic or other readily oxidizable materials. 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: Aluminum, steel, copper or flammable organics  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, NO<sub>x</sub>, ZnO, NH<sub>3</sub>

## VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate respiratory and personal protective equipment. Absorb with inert material and vacuum or sweep into an approved disposal container.  
DECONTAMINATION: Treat area with detergent and water. Absorb with inert material and place in approved disposal containers. Repeat 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 spray mist.  
SKIN ABSORPTION: Avoid contact with skin. Wear proper personal protective equipment to reduce exposure.  
EYE EXPOSURE: Keep out of eyes. Can cause eye irritation. Wear proper eye protection to reduce splash exposure. If exposed, flush eyes for a minimum of 15 minutes with water.  
EFFECTS OF OVEREXPOSURE: Can cause skin and eye irritation. Ingestion can cause violent 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, flush eyes with water for a minimum of 15 minutes. 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 exposures 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. Do not store in steel or aluminum tanks.

## XI. REGULATORY DATA

SARA HAZARD CLASS:  Acute  Chronic  Flammable  
 Pressure  Reactive  None  
SARA 313:  Yes  No Chemical: Zinc Compounds  
SARA 302:  Yes  No Chemical:  
TPQ:  
CERCLA:  Yes  No Chemical: Zinc Nitrate  
RQ: 1000\*  
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

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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**

