

MATERIAL SAFETY DATA SHEET

Brimstone

I. NAME

PRODUCT/TRADE NAME: BRIMSTONE
EPA REGISTRATION #: NONE
CHEMICAL NAME/Common Name:
Tricarboxyhydrate formic acid amides & tetraoxosulfates, propane-1,2,3-triol, alkoxyated amine, alkyl polyoxyethylene glycol/Alkyl Polyoxyethylene Glycol Phosphate

II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Alkyl polyoxyethylene Glycol Phosphate	Mixture	NE	NE

III. PHYSICAL DATA

SPECIFIC GRAVITY (H₂O = 1): 1.19
MELTING POINT: NA
VAPOR DENSITY (AIR = 1): NE
% VOLATILES BY VOL.: NE
ODOR: Penetrating
APPEARANCE: Brown Liquid
FLASH POINT/METHOD: >200°F PMCC
VAPOR PRESSURE (mmHg): NE
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. Do not breathe 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: Acids, Alkalies
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, NO_x, PO_x

VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Absorb with inert material and sweep or vacuum into disposal container.
DECONTAMINATION: Treat spill area with detergent and water.
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 or smoking.
INHALATION: No PEL/TLV for this product. May be irritating to the respiratory tract. Wear proper respiratory protection for exposures encountered.
SKIN ABSORPTION: Can cause skin desiccation. Wear proper personal protective equipment to reduce skin exposure.
EYE EXPOSURE: Keep out of eyes. May cause severe irreversible eye burns. If exposed, flush eyes a minimum of 15 minutes with water. Wear proper eye protection to reduce exposure.
EFFECTS OF OVEREXPOSURE: Symptoms of overexposure may include weakness, blurred vision, nausea, vomiting, fatigue, headache, flushing, narcosis and coma. Can be fatal. Chronic exposure may cause kidney damage. Preexisting medical conditions involving the above symptoms may be aggravated.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water. Do not induce vomiting. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, irrigate eyes a minimum of 15 minutes with water. For inhalation, remove victim to fresh air, and administer CPR if necessary.

IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear only NIOSH/MSHA - approved respiratory protection for acids for exposures above the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and exposures above 10 times the PEL/TLV.
PERSONAL PROTECTIVE EQUIPMENT: Work gloves, safety goggles or glasses with side shields and brow protection.
VENTILATION: Local ventilation.

X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Corrosive to aluminum. 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: [2] 0 = Minimal 3 = Serious
Fire: [1] 1 = Slight 4 = Severe
Reactivity: [0] 2 = Moderate
Special: [0]
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

