

# MATERIAL SAFETY DATA SHEET

CHEMSPEC ® • 901 N. NEWKIRK STREET • BALTIMORE, MD 21205 • (410) 675-4800

HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 1, SPECIAL = NONE, DEGREE OF HAZARD: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT

PRODUCT NAME: **CHEMTREAT**

DOCUMENT CODE: Chemtreat

CHEMICAL FAMILY: Fluoride salt

DATE: 08/12/99

EMERGENCY 24-HOUR TELEPHONE # 1-800-638-7370 (CHEMTREC)

N/A = Not applicable

N/D = Not determined

## SECTION I: HAZARDOUS INGREDIENTS/HEALTH HAZARD DATA

This product has not been tested as a whole for health effects on animals or humans. According to the OSHA Hazardous Communications Standard (29 CFR 1910.1200) any hazardous ingredients that comprise >1.0% of the material and any carcinogenic ingredients that comprise >0.1% must be listed on the MSDS.

SECTION I (a): List of carcinogenic ingredients at >0.1%.

None.

SECTION I (b): List of hazardous ingredients at >1.0%.

NAME	CAS NO.
MAGNESIUM SILICOFLUORIDE HEXAHYDRATE	18972-56-0

Oral poison. May be fatal if ingested. Eye and skin contact may be irritating and corrosive when wet. Dust may be irritating to respiratory tract. Chronic overexposure may cause osteofluorosis and permanent respiratory impairment. Oral guinea pig LD50 is 200 mg/kg. OSHA PEL and ACGIH TLV is 2.5 mg/m<sup>3</sup> as fluoride.

## SECTION II: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush with water for at least 15 min. Consult physician.  
SKIN: Remove contaminated clothing. Thoroughly wash exposed skin with soap and water.  
INHALED: Remove to fresh air. If conscious, irrigate nasal passages and mouth with water. Seek medical attention.  
INGESTION: Induce vomiting by giving soapy or mustard water. Drink large quantities of water.  
GET PROMPT MEDICAL ATTENTION!  
PHYSICIAN: Give patient limewater and strong stimulants. Hold for observation. Additional therapy based on judgment of attending physician.

## SECTION III: PHYSICAL / CHEMICAL DATA

APPEARANCE AND ODOR: White free flowing crystalline solid, odorless.	pH @ USE: 3.0 - 4.0
WATER SOLUBILITY, % BY WT: 64 @ 68 degrees F	SPECIFIC GRAVITY: 1.788
BULK DENSITY: 111.5-lbs/cubic ft.	MELTING POINT: Decomposes above 120 degrees F

## SECTION IV: FIRE AND EXPLOSION DATA

FLASH POINT: N/D AUTO-IGNITION TEMPERATURE: N/D  
EXPLOSIVE LIMITS - LEL: N/D UEL: N/D EXTINGUISHING MEDIA: Not a fire hazard  
SPECIAL FIRE FIGHTING PROCEDURES: Use NIOSH/MSHA approved self-contained positive-pressure breathing apparatus and protective clothing where this material is involved in a fire.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Will decompose to toxic corrosive gases in fire.

## SECTION V: REACTIVITY DATA

STABILITY: Avoid high temperatures which induce thermal decomposition.  
HAZARDOUS POLYMERIZATION: Not known to occur INCOMPATIBILITY: Ferrous or alkaline materials.  
HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: Hydrofluoric acid and silicotetrafluoride.

## SECTION VI: SPILLS, LEAKS AND DISPOSAL PROCEDURES

WASTE DISPOSAL: Material is considered a hazardous waste under RCRA. Spills may be reportable to state and federal agencies under the Clean Water Act. Dispose of in accordance with Federal, State and Local regulations.  
NEUTRALIZING CHEMICALS: Lime

## SECTION VII: PROTECTION MEASURES

VENTILATION: Use in well ventilated area and limit the number of persons in immediate work area.  
EYE PROTECTION: Goggles should be worn.  
RESPIRATORY PROTECTION: Avoid breathing dust. Suggest NIOSH/MSHA approved dust mask or respirator.  
GLOVES: Rubber gloves or PVC gloves.  
OTHER PROTECTIVE EQUIPMENT: Body-covering clothing should be worn. Running water should be in close proximity in case an exposure should occur.

## SECTION VIII: SPECIAL PRECAUTIONS

One should always use chemicals with awareness of potential hazards, known and unknown, and their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product and to keep the level of exposure commensurate with good industrial hygiene practices.

### DISCLAIMER OF LIABILITY

The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.