

## **CHEMTREAT CL-1409**

### **MSDS Number**

BBKTJ

### **National Stock Number**

6850-00F002349

### **Product Name**

CHEMTREAT CL-1409

### **Manufacturer**

CHEMTREAT INC

### **Product Identification**

Product ID:CHEMTREAT CL-1409

MSDS Date:11/07/1986

FSC:6850

NIIN:00F002349

MSDS Number: BBKTJ

### **Responsible Party**

CHEMTREAT, INC.

500 LICKINGHOLE ROAD

ASHLAND , VA 23005-3294

Emergency Phone: (804) 798-3231

Info Phone: (804) 798-3231

Cage: EO660

### **Contractor**

CHEMTREAT, INC.

ASHLAND, VA 23005

US

(804) 798-3231

Cage: EO660

### **Ingredients**

ZINC CHLORIDE (SARA III)

CAS: 7646-85-7

RTECS: ZH1400000

Fraction By Weight: 2-3%

OSHA PEL1 MG/M3/2 STEL

ACGIH TLV: 1 MG/M3/2STEL FUME93

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

PHOSPHONIC ACID (1-HYDROXYETHYTLIDINE) BIS \*\*\*HEDP

CAS: 2809-21-4

RTECS: SZ8562100

Fraction By Weight: >1%

POTASSIUM HYDROXIDE (SARA III)

CAS: 1310-58-3

RTECS: TT2100000

Fraction By Weight:

OSHA PELC, 2 MG/M3

ACGIH TLV: C 2 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

## Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT): 350 MG/KG

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE/SKIN: CORROSIVE & IRRITATION.

INGESTION: HARMFUL & IRRITATION OF THE THROAT & MUCOUS MEMBRANES.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:SKIN/EYES: IRRITATION & CORROSIVE. INGESTION:

HARMFUL, IRRITATION OF THE THROAT & MUCOUS MEMBRANES.

## First Aid

First Aid:EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR OR OXYGEN IF NEEDED. INGESTION: DRINK 1 OR 2 GLASSES OF WATER. DON'T INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:WATER, CO2, DRY CHEMICAL, FOAM

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:THIS PRODUCT CAN FORM FLAMMABLE PHOSPHINE GAS WHEN HEATED >200C.

## Accidental Release

Spill Release Procedures:WEAR APPROPRIATE EQUIPMENT. CONTAIN SPILL. USING AN INERT CHEMICAL ABSORBENT, COLLECT SPILLED MATERIAL & PLACE IN A PROPERLY LABELED CONTAINER FOR DISPOSAL.

## Handling

Handling and Storage Precautions:KEEP CONTAINER SECURELY CLOSED WHEN NOT IN USE. DON'T GET ON SKIN, EYES, & CLOTHING. WASH THOROUGHLY AFTER HANDLING. USE W/ADEQUATE VENTILATION.

Other Precautions:KEEP AWAY FROM HEAT/OXIDIZERS. DON'T INGEST. LABEL PRECAUTION APPLY TO EMPTY CONTAINER. PRODUCT MAY BE FED DIRECTLY FROM DRUM/DILUTED IN WATER TO ANY DEGREE FOR OPTIMUM RESULTS. PRODUCT IS A BLEND OF ORGANIC/INORGANIC CORROSION INHIBITORS.

## Exposure Controls

Respiratory Protection:NONE REQUIRED UNDER USUAL CONDITIONS OF USE.

Ventilation:LOCAL EXHAUST

Protective Gloves:RUBBER

Eye Protection:CHEMICAL GOGGLES, APRON, BOOTS

Other Protective Equipment:EYE WASH FOUNTAIN, SAFETY SHOWER

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

TESTING W/ZINC CHLORIDE USING BACTERIAL/MAMMALIAN CELL CULTURES, HAVE DEMONSTRATED MUTAGENIC ACTIVITY. ZINC CHLORIDE HAS BEEN SHOWN TO HAVE EMBRYOTOXIC ACTIVITY IN ANIMALS. IN A 30-DY FEEDING STUDY ,

RATS WERE FED DIETS CONTAINING 30,000PPM OF (HEDP), CAUSING BODY WEIGHT GAINS REDUCTION & LIVER WEIGHTS DECREASED.

## Chemical Properties

Boiling Pt:B.P. Text: 212F

Vapor Pres:Spec Gravity:1.133

pH:11.8

Evaporation Rate & Reference:(WATER): Solubility in Water:COMPLETE

Appearance and Odor:LIGHT STRAW COLORED LIQUID W/MILD ODOR

Percent Volatiles by Volume:81%

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG OXIDIZING AGENTS

Stability Condition to Avoid:TEMPERATURES >120F

Hazardous Decomposition Products:CO, CO2, PHOSPHINE GAS

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

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