FERRIC CHLORIDE ANHYDROUS, F7134

MSDS Number
BLTKF

National Stock Number
6810-00N021687

Product Name
FERRIC CHLORIDE ANHYDROUS, F7134

Manufacturer
SIGMA CHEMICAL CO

Product Identification
Product ID:FERRIC CHLORIDE ANHYDROUS, F7134
MSDS Date:12/19/1988
FSC:6810
NIIN:00N021687
MSDS Number: BLTKF

Responsible Party
SIGMA CHEMICAL CO
ST LOUIS , MO 63178
US
Emergency Phone: 314-771-5765
Info Phone: 800-325-8070
Cage: 21076

Contractor
SIGMA CHEMICAL COMPANY
14508
ST LOUIS, MO 63178
US
314-771-5765
Cage: 21076

Ingredients
FERRIC CHLORIDE; (FERRIC CHLORIDE ANHYDROUS)
CAS: 7705-08-0
RTECS: LJ9100000
EPA Report Quantity: 1000 LBS
DOT Report Quantity: 1000 LBS

Hazards
LD50 LC50 Mixture:LD50:ORAL(RAT)1872 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:HARMFUL IF SWALLOWED, INHALED, OR
ABSORBED THROUGH SKIN. MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE
OF MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN.
INHALATION MAY BE FATAL AS RESULT OF SPASM, INFLAMMATION AND EDEMA
OF LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY
EDEMA.(SEE EFTS OF OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ: SYMPTOMS OF EXPOSURE MAY INCLUDE
BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, NAUSEA AND VOMITING. CAUSES SEVERE EYE IRRITATION. THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

Medical Condition Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid
First Aid: EYES: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN. ASSURE ADEQUATE FLUSHING OF EYES BY SEPARATING EYELIDS WITH FINGERS. SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL PHYSICIAN. INGESTION: CALL MEDICAL EMERGENCY.

Fire Fighting
Extinguishing Media: NON-COMBUSTIBLE. USE EXTINGUISHING MEDIA APPROPRIATE TO SURROUNDING FIRE CONDITIONS.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Accidental Release
Spill Release Procedures: WEAR SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP, PLACE IN BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling
Handling and Storage Precautions: DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. CORROSIVE. IRRITATING DUST. KEEP TIGHTLY CLOSED. HYGROSCOPIC. STORE IN COOL DRY PLACE.
Other Precautions: ALLYL CHLORIDE MAY POLYMERIZE VIOLENTLY UNDER CONDITIONS INVOLVING AN ACID CATALYST SUCH AS FERRIC CHLORIDE.

Exposure Controls
Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: USE ONLY IN CHEMICAL FUME HOOD.
Protective Gloves: RUBBER GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES.
Other Protective Equipment: SAFETY SHOWER AND EYE BATH.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
HNDLG/STOR PREC: HYPOCHLORITE, NEUTRALIZE SOLUTION BEFORE FLUSHING DOWN DRAIN. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

Chemical Properties
HCC:C2
Melt/Freeze Pt: M.P.F.P: >572°F, >300°C
Vapor Press: Vapor Density: 5.61
Appearance and Odor: NONE SPECIFIED BY MANUFACTURER.

Stability
STRONG OXIDIZING AGENTS, FORMS EXPLOSIVE MIXTURES WITH: SODIUM, POTASSIUM.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: HYDROGEN CHLORIDE GAS.

Disposal
Waste Disposal Methods: MAT SHOULD BE DISSOLVED IN H2O; ACID SOLN/OXIDIZED TO H2O-SOL STATE, PRECIPITATE MATL AS SULFIDE, ADJUSTING SOLN PH TO 7 TO COMPLETE PRECIPITATION. FILTER INsol & DISPOSE OF THEM IN HAZ WASTE SITE. DESTROY ANY EXCESS SULFIDE W/SODIUM(SUPPDATA)

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