

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-100/10025-77-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

10025-77-1

**Code:**

M

**RTECS:**

NO5425000

**Code:**

M

**Name:**

FERRIC CHLORIDE HEXAHYDRATE

**Other REC Limits:**

NONE RECOMMENDED

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M N/P

**ACGIHSTEL:**

EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem

**Code:**

1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**

NONE NEEDED UNDER NORMAL CONDITIONS OF USE W/ADEQUATE VENTILATION.NIOSH APPROVED EQPMT SHOLD BE WORN IF PELS ARE EXCEEDED.

**Ventilation:**

LOCAL EXHAUST:PREFERRED.MECHANICAL(GEN):ACCEPTABLE.SPECIAL/OTHER:NO.

**Protective Gloves:**

RUBBER,NEOPRENE,PVC OR EQUIVALENT

**Eye Protection:**

SPLASH PROOF CHEM SAF GOGGLES @ALL TIMES

**Other Protective Equipment:**

Equipment LAB COAT,EYE WASH,SAFETY SHOWER.

**Work Hygienic Practices:**

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

1ST AID:S BREATH GIVE ART RESP.KEEP PERSON WARM/QUIET.GET MED ATTN. ODOR:ACETONE,ETHER.

## Health Hazards Data

**LD50LC50Mixture:**

NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

HARMFUL IF SWALLOWED.MAY CAUSE EYE BURNS.EYE:MAY CAUSE IRRIT.SKIN:MAY CAUSE IRRIT.INGEST:MAY CAUSE GASTROINTESTINAL DISCOMFORT.INHAL:MAY CAUSE IRRIT TO RESPIRATORY TRACT.

**Explanation Of Carcinogenicity:**

PER MSDS:NOT LISTED AS CAUSING CANCER BY IARC/NTP/OSHA.

**Signs And Symptions Of Overexposure:**

EYE/SKIN/RESPIRATORY TRACT IRRIT.GASTROINTESTINAL DISCOMFORT.

**Medical Cond Aggravated By Exposure:**

RESPIRATORY CONDITIONS. TARGET ORGANS:NASAL AND RESPIRATORY PASSAGES.

**First Aid:**

EYE:FLUSH W/WATER FOR @LEAST 15MINS,RAISE/LOWER EYELIDS OCCASIONALLY.IRRIT PERSISTS GET MED ATTN.SKIN:THOROUGHLY WASH EXPO AREA FOR @LEAST 15MINS.REMOVE CONTAM CLOTH.IRRIT PERSISTS GET MED ATTN.INGEST :IF CONSC GIVE PLENTY OF WATER,INDUCE VOMIT IMMED AS DIRECTED BY MED PERSONNEL.IMMED CALL DR/POIS CNTRL CNTR.UNCONSC NEVER GIVE ANYTHING BY MOUTH.INHAL:REMOVE TO FRESH AIR.BREATH DIFFI GIVE OXY;(SUPP)

**Spill Release Procedures:**

VENTILATE AREA OF SPILL.CLEANUP PERSONNEL SHOULD WEAR PROPER PROTECTIVE EQPMT.AVOID CREATING DUST.SWEEP OR SCOOP UP & CONTAINERIZE FOR DISPOSAL.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

EPA WASTE#:D002.DISPOSE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.ALWAYS CONTACT PERMITTED WASTE DISPOSER(TSD)TO ASSURE COMPLIANCE.NO SARA/CERCLA/RCRA CHEMS.

**Handling And Storage Precautions:**

KEEP CONTAINER TIGHTLY CLOSED.STORE IN COOL DRY WELL-VENTILATED AREA.AVOID EXPO TO LIGHT & MOISTURE;AVOID CONTACT W/STRONG MINERAL ACIDS.

**Other Precautions:**

DO NOT GET ON EYES/SKIN/CLOTHING.WASH THOROUGHLY AFTER HANDLING(REMOVE FERRIC CHLORIDE SOLID BEFORE WASHING).DO NOT TAKE INTERNALLY.

## Fire and Explosion Hazard Information

**Flash Point Method:**

**Flash Point:**

**Flash Point Text:**

NO INFO AVAI

**Autoignition Temp:**

**Autoignition Temp Text:**

NO INF

**Lower Limits:**

NO INFO AVAI

**Upper Limits:**

NO INFO AVAI

**Extinguishing Media:**

USE MEDIA SUITABLE TO EXTNGUISH SURROUNDING FIRE.USE DRY CHEMICAL, CO2, OR APPROPRIATE FOAM.

**Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE EQPMT & NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**

DECOMPOSES TO YIELD HCL ON EXPOSURE TO LIGHT.

## Physical/Chemical Properties

**HCC:**

B1

**NRC/State LIC No:**

N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**

536F,280C

**Melt/Freeze Pt:**

**M.P/F.P Text:**

98.6F,37.0C

**Decomp Temp:**

**Decomp Text:**

NP 3

**Vapor Pres:**

NO INFO

**Vapor Density:**

NO INFO

**Volatile Org Content %:**

**Spec Gravity:**

1.82

**VOC Pounds/Gallon:**

**PH:** NP

**VOC Grams/Liter:**

**Viscosity:**

NP

**Evaporation Rate & Reference:**

NO INFO AVAI

**Solubility in Water:**

SOLUBLE

**Appearance and Odor:**

BROWNISH-YELLOW OR ORANGE MONOCLINIC CRYST.USUALLY SLIGHT ODOR OF ALCOHOL,(SUPP

**Percent Volatiles by Volume:**

NO INF

**Corrosion Rate:**

NP

## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

EXCESSIVE HEAT, LIGHT

**Materials To Avoid:**

ACIDS,ALLYL CHLORIDE,SODIUM,POTASSIUM.

**Hazardous Decomposition Products:**

WHEN HEATED TO DECOMPOSITION IT EMITS TOXIC FUMES OF CL;HCL FUMES.

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NOT APPLICABLE

## Toxicological Information

Information:N/P

## MSDS Transport Information

Information:N/P

## Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

## Other Information

Other Information:N/P