

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-775/7758-94-3.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

7758-94-3

**Code:**

M

**RTECS:**

NO5400000

**Code:**

M 2

**Name:**

FERROUS CHLORIDE (SARA III)

**Other REC Limits:**

NONE SPECIFIED

**OSHA PEL:**

1 MG FE/M3

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

1 MG FE/M3; 9192

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION. USE NIOSH APPROVED PARTICULATE FILTERS.

**Ventilation:**

MECHANICAL (GENERAL) VENTILATION IS USUALLY ADEQUATE.

**Protective Gloves:**

ACID RESISTANT GLOVES

**Eye Protection:**

CHEMICAL SPLASH GOGGLES OR FACE SHIELD

**Other Protective Equipment:**

Equipment SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT. 5

**Work Hygienic Practices:**

WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**

CORROSIVE MATERIAL - AVOID CONTACT.

## Health Hazards Data

**LD50/LC50 Mixture:**

LD50 (ORAL RAT) IS 1932 MG/KG

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

SEVERE EYE, SKIN, AND MUCOUS MEMBRANE IRRITANT. POISONING MAY AFFECT THE DIGESTIVE TRACT, RESPIRATORY, CARDIOVASCULAR AND CNS, LIVER, AND KIDNEYS. INHALATION: DUST/MIST CAN CAUSE 3 SEVERE BURNING OF RESPIRATORY TRACT. INGESTION: SEVERE PROBLEMS INCLUDING ABDOMINAL PAIN, RETCHING, DIARRHEA (TARRY), DEHYDRATION, SHOCK.

**Explanation Of Carcinogenicity:**

None of the chemicals in this product is listed by IARC, NTP or OSHA as a carcinogen.

**Signs And Symptoms Of Overexposure:**

EYE AND SKIN BURNS DEVELOP IMMEDIATELY. INGESTION MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, HEMORRHAGING, AND PERFORATION OF ORGANS. INHALATION OF DUST/MIST MAY CAUSE SEVERE RESPIRATORY TRACT IRRITATION, SORE THROAT, COUGH, DYSPNEA.

**Medical Cond Aggravated By Exposure:**

PERSONS WITH A HISTORY OF EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**

EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15-20 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. INGESTION: DO NOT INDUCE VOMITING. DRINK COPIOUS AMOUNTS OF WATER.

**Spill Release Procedures:**

WEAR PROTECTIVE EQUIPMENT AND VENTILATE AREA AS REQUIRED. ABSORB SMALL SPILL WITH INERT MATERIAL (SAW DUST, SAND, OIL DRY ETC.) PLACE WASTE IN DOT APPROVED CONTAINER FOR DISPOSAL.

**Neutralizing Agent:**

SODA ASH, LIME OR SODIUM BICARBONATE (SMALL SPILLS)

**Waste Disposal Methods:**

DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. DILUTED AND NEUTRALIZED MATERIAL CAN PROBABLY BE FLUSHED TO WASTE WATER TREATMENT VIA A SEWER. UNDILUTED MATERIAL WILL BE A HAZARDOUS WASTE (D002)

**Handling And Storage Precautions:**

STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE. PROTECT FROM PHYSICAL DAMAGE.

**Other Precautions:**

CORROSIVE MATERIAL - AVOID CONTACT.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

N/R

**Autoignition Temp:**

**Autoignition Temp Text:**

N/R

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

**Fire Fighting Procedures:**

WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**

COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. CAN RELEASE CHLORINE ABOVE 55°F

## Physical/Chemical Properties

**HCC:**

C1

**NRC/State Lic No:**

N/R

**Net Prop WT For Ammo:**

N/R

**Boiling Point:**

**B.P. Text:**

581F.305C

**Melt/Freeze Pt:**

574F.301C

**Decomp Temp:**

**Decomp Temp Text:**

N/R

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

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**Fire Fighting Procedures:**

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## Physical/Chemical Properties

**Spec Gravity:**

2.8

**VOC Pounds/Gallon:**

N/R

**PH:**

N/K

**VOC Grams/liter:**

N/R

**Viscosity:**

N/R

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

50%

**Appearance and Odor:**

GREENISH BLACK GRANULAR SOLID

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

**Reactivity Data:**

UNKNOWN

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

NONE SPECIFIED BY MANUFACTURER.

**Hazardous Decomposition Products:**

TOXIC AND CORROSIVE FUMES OF CHLORIDES; CHLORINE GAS AT ELEVATED TEMPERATURES.

**Hazardous Polymerization Indicator:**

YES

**Conditions To Avoid Polymerization:**

THIS SUBSTANCE CAN CATALYZE THE VIOLENT POLYMERIZATION OF ALYL CHLORIDE, ETHYLENE OXIDE, VARIOUS AROMATIC MONOMERS.

## 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

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