

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-144/14459-95-1.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
14459-95-1  
**Code:**  
M  
**RTECS:**  
  
**Code:**  
X  
**Name:**  
POTASSIUM FERROCYANIDE TRIHYDRATE  
**Other REC Limits:**  
NONE RECOMMENDED  
**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M  
**OSHA STEL:**  
  
**Code:**  
  
**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M  
**ACGIHSTEL:**  
N/P  
**Code:**  
1

## Control Measures

**Respiratory Protection:**  
IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED RESPIRATOR FOR DUST MUST BE WORN.  
**Ventilation:**  
USE GENERAL OR LOCAL EXHAUST VENTILATION.  
**Protective Gloves:**  
LATEX RUBBER  
**Eye Protection:**  
DUST-RESISTANT GOGGLES  
**Other Protective Equipment:**  
Equipment EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING  
**Work Hygienic Practices:**  
OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.  
**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL, RAT) IS NOT KNOWN.  
**Route Of Entry Inds - Inhalation:**  
YES  
**Skin:**  
NO  
**Ingestion:**  
NO  
**Carcinogenicity Inds - NTP:**  
NO  
**IARC:**  
NO  
**OSHA:**  
NO  
**Health Hazards Acute And Chronic:**  
TARGET ORGANS:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- EYE CONTACT MAY CAUSE IRRITATION. SKIN CONTACT MAY CAUSE IRRITATION. DUST MAY CAUSE IRRITATION TO RESPIRATORY TRACT. HARMFUL I F SWALLOWED. MAY CAUSE GASTROINTESTINALDISCOMFORT. CHRONIC- UNKNOWN.  
**Explanation Of Carcinogenicity:**  
NONE  
**Signs And Symptions Of Overexposure:**  
IRRITATION, DISCOMFORT, NAUSEA, TEARING  
**Medical Cond Aggravated By Exposure:**  
PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.  
**First Aid:**  
GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN:REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH SOAP & WATER. EYE:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NEEDED. ORAL:IF CONSCIOUS, INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON.  
**Spill Release Procedures:**  
VENTILATE AREA. WEAR PROTECTIVE EQUIPMENT. SWEEP UP OR SCOOP UP SPILLED MATERIAL. PLACE IN A SUITABLE CONTAINER FOR DISPOSAL. MINIMIZE GENERATION OF DUST.  
**Neutralizing Agent:**  
NOT RELEVANT  
**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONTRACT A LICENSED CHEMICAL WASTE DISPOSAL FACILITY.  
**Handling And Storage Precautions:**  
STORE IN TIGHTLY CLOSED CONTAINER, AWAY FROM STRONG ACIDS.  
**Other Precautions:**  
WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. AVOID BEATHING DUST.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P 2  
**Flash Point:**  
  
**Flash Point Text:**  
NONE  
**Autoignition Temp:**  
  
**Autoignition Temp Text:**  
N/R  
**Lower Limits:**  
N/R  
**Upper Limits:**  
N/R  
**Extinguishing Media:**  
USE CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.  
**Fire Fighting Procedures:**  
WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.  
**Unusual Fire/Explosion Hazard:**  
CAUSES DECOMPOSITION.

## Physical/Chemical Properties

**HCC:**  
N1  
**NRC/State LIC No:**  
NOT RELEVANT  
**Net Prop WT For Ammo:**  
  
**Boiling Point:**  
  
**B.P. Text:**  
N/R  
**Melt/Freeze Pt:**  
  
**M.P./F.P Text:**  
UNKNOWN  
**Decomp Temp:**  
  
**Decomp Text:**  
UNKNOWN  
**Vapor Pres:**  
N/R  
**Vapor Density:**  
N/R 3  
**Volatile Org Content %:**  
  
**Spec Gravity:**  
1.85  
**VOC Pounds/Gallon:**  
  
**PH: N/K**  
**VOC Grams/Liter:**  
  
**Viscosity:**  
NOT RELEVANT  
**Evaporation Rate & Reference:**  
NOT RELEVANT  
**Solubility in Water:**  
APPRECIABLE (>10%)  
**Appearance and Odor:**  
YELLOW CRYSTALS - ODORLESS  
**Percent Volatiles by Volume:**  
0  
**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES  
**Stability Condition To Avoid:**  
AIR, HEAT  
**Materials To Avoid:**  
STRONG ACIDS  
**Hazardous Decomposition Products:**  
CYANIDES, OXIDES OF NITROGEN  
**Hazardous Polymerization Indicator:**  
NO  
**Conditions To Avoid Polymerization:**  
NOT RELEVANT

## 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