

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-137/13755-38-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
13755-38-9

**Code:**  
M

**RTECS:**  
LJ8925000

**Code:**  
M

**Name:**  
SODIUM NITROFERRICYANIDE, (DISODIUM PENTACYANONIT

**Other REC Limits:**  
NONE SPECIFIED

**OSHA PEL:**  
NOT ESTABLISHED

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL, WEAR NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IF WORKPLACE EXPOSURE LIMITS OF PRODUCT IS EXCEEDED.

**Ventilation:**  
PROVIDE ADEQUATE VENTILATION TO MAINTAIN PEL AND TLV IN WORKPLACE BELOW SPECIFIED LIMITS.

**Protective Gloves:**  
NEOPRENE OR EQUIVALENT/ PREVENT CONTACT.

**Eye Protection:**  
SAFETY GLASSES WITH SIDE SHIELDS.

**Other Protective Equipment:**  
Equipment MATERIAL MUST BE HANDLED OR TRANSFERRED IN AN APPROVED FUME HOOD OR WITH EQUIVALENT VENTILATION.

**Work Hygienic Practices:**  
WASH AFTER HANDLING AND BEFORE EATING, DRINKING, SMOKING OR APPLYING MAKE-UP.LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
EYE WASH STATION, SAFETY SHOWER, AND SAFETY EQUIPMENT SHOULD BE READILY AVAILABLE. WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE. 3

## Health Hazards Data

**LD50LC50Mixture:**  
ORL-RAT LDLO: 20 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:**  
PRODUCT MAY BE FATAL IF INHALED, SWALLOWED, OR ABSORBED THROUGH SKIN. MAY CAUSE IRRITATION.

**Explanation Of Carcinogenicity:**  
THE MATERIAL IS NOT LISTED AS CANCER CAUSING AGENT.

**Signs And Symptions Of Overexposure:**  
INGESTION OR INHALATION OF PRODUCT CAUSES LOWERING OF BLOOD PRESSURE, RAPID PULSE, HEADACHE, NAUSEA, DIZZINESS, DEATH.

**Medical Cond Aggravated By Exposure:**  
NONE SPECIFIED BY MANUFACTURER.

**First Aid:**  
GET MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. SKIN: WASH AREA WITH SOAP AND WATER. INHALATION: ADMINISTER AMYL NITRITE INHALATION AT 15 SEC. INTERVALS. INGESTION: IF CONSCIOUS, GIVE WATER ANDINDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Spill Release Procedures:**  
EVACUATE THE AREA OF ALL UNNECESSARY PERSONNEL. WEAR SUITABLE PROTECTIVE EQUIPMENT . CONTAIN THE RELEASE AND ELIMINATE ITS SOURCE, IF THIS CAN BE DONE WITHOUT RISK. TAKEUP AND CONTAINERIZE FOR PROPER D ISPOSAL.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
2 KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM HEAT AND ACIDS. WASH GLOVES THOROUGHLY BEFORE REMOVING.

**Other Precautions:**  
NONE SPECIFIED BY MANUFACTURER.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONCOMBUSTIBLE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
USE MEDIA SUITABLE FOR ADJACENT MATERIAL.

**Fire Fighting Procedures:**  
WEAR SELF CONTAINED BREATHING APPARATUS.

**Unusual Fire/Explosion Hazard:**  
THERMAL DECOMPOSITION PRODUCES TOXIC FUMES.

## Physical/Chemical Properties

**HCC:**  
T3

**NRC/State LIC No:**  
NOT RELEVANT

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
UNKNOWN

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
UNKNOWN

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
1.72

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
UNKNOWN

**Solubility in Water:**  
30

**Appearance and Odor:**  
RED CRYSTALS

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXTREME HEAT. CONTACT WITH ACID LIBERATES HIGHLY TOXIC CYANIDE GAS.

**Materials To Avoid:**  
ACIDS, OXIDIZERS.

**Hazardous Decomposition Products:**  
DECOMPOSITION PRODUCTS INCLUDE NITROGEN OXIDES AND SODIUM OXIDE.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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