

## **DISODIUM PENTACYANONITROSYLFERRATE,SX0675**

### **MSDS Number**

BNBQQ

### **National Stock Number**

6810-00-148-7212

### **Product Name**

DISODIUM PENTACYANONITROSYLFERRATE,SX0675

### **Manufacturer**

E M INDUSTRIES INC E M SCIENCE DIV

### **Product Identification**

Product ID:DISODIUM PENTACYANONITROSYLFERRATE,SX0675

MSDS Date:10/28/1991

FSC:6810

NIIN:00-148-7212

MSDS Number: BNBQQ

### **Responsible Party**

E M INDUSTRIES INC,E.M.SCIENCE DIV

111 WOODCREST RD

CHERRY HILL , NJ 08034-0395

US

Emergency Phone: 609-354-9200

Info Phone: 609-423-4389

Cage: 4X982

### **Contractor**

MCB MFG CHEMISTS INC

CINCINNATI, OH 45212-2411

US

800-222-0342/609-423-6300

Cage: 24150

### **Ingredients**

SODIUM NITROFERRICYANIDE, (DISODIUM

CAS: 13755-38-9

RTECS: LJ8925000

Fraction By Weight: 100%

### **Hazards**

LD50 LC50 Mixture:ORL-RAT LDLO: 20 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: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.

Effects 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**

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 AND INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

## Fire Fighting

Flash Point:NONCOMBUSTIBLE  
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.

## Accidental Release

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 DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. STORE AWAY FROM HEAT AND ACIDS. WASH GLOVES THOROUGHLY BEFORE REMOVING.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

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: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.

## Chemical Properties

HCC:T3  
NRC/State Lic Num:NOT RELEVANT  
Spec Gravity:1.72  
Solubility in Water:30  
Appearance and Odor:RED CRYSTALS

## Stability

Stability Indicator/Materials to Avoid:YES  
ACIDS, OXIDIZERS.  
Stability Condition to Avoid:EXTREME HEAT. CONTACT WITH ACID LIBERATES HIGHLY TOXIC CYANIDE GAS.  
Hazardous Decomposition Products:DECOMPOSITION PRODUCTS INCLUDE NITROGEN OXIDES AND SODIUM OXIDE.

## Disposal

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

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