

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-146/14634-91-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
14634-91-4

Code:
M

RTECS:

Code:
X

Name:
FERROIN/1,10-PHENANTHROLIN FERROUS SULFATE SOLUTI

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
NON REQUIRED UNDER NORMAL CONDITIONS.

Ventilation:
4 MECHANICAL (GENERAL) VENTILATION IS ADEQUATE.

Protective Gloves:
DISPOSABLE PLASTIC

Eye Protection:
SPLASH GOGGLES, FULL FACE SHIELD

Other Protective Equipment:
Equipment EYE WASH STATION, QUICK DRENCH SHOWER, LAB COAT OR LONG SLEEVED SHIRT

Work Hygienic Practices:
OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health:
KEY1:N1. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS. PART A, HAS PNI A; PART B HAS PNI B, SAME NSN.

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL, RAT) IS UNKNOWN.

Route Of Entry Inds - Inhalation:
NO

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE AND CHRONIC- EXPOSURE TO MISTS OR VAPORS MAY CAUSE RESPIRATORY TRACT IRRITATION. IF INGESTED, MAY CAUSE IRRITATION OF GASTROINTESTINAL TRACT. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE IRRITATION. TARGET ORGANS:EYES, SKIN, LUNGS AND RESPIRATORY TRACT.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
EYE, SKIN, RESPIRATORY AND GASTROINTESTINAL TRACT IRRITATION

Medical Cond Aggravated By Exposure:
UNKNOWN

First Aid:
INHALATION:REMOVE AFFECTED PERSONS TO FRESH AIR AND TREAT SYMPTOMS. SKIN:WASH WITH PLENTY OF WATER. EYES:FLUSH WITH WATER FOR 15 MINUTES AND SEEK MEDICAL ATTENTION. INGESTION:CALL PHYSICIAN.

Spill Release Procedures:
DILUTE WITH LARGE AMOUNT OF WATER. WASH DOWN THE DRAIN WITH EXCESS OF WATER IF PERMITTED.

Neutralizing Agent:
3 NOT RELEVANT

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:
STORE CONTAINERS CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.

Other Precautions:
DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. FOR INDUSTRIAL USE ONLY.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
WATER FOG. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:
WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:
NONE KNOWN.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
212F,100C

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:
1.0

VOC Pounds/Gallon:

PH: 6 - 7

VOC Grams/Liter:

Viscosity:
N/P 5

Evaporation Rate & Reference:
UNKNOWN

Solubility in Water:
MISCIBLE

Appearance and Odor:
DARK RED LIQUID - ODORLESS

Percent Volatiles by Volume:
N/K

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE

Materials To Avoid:
STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:
UNKNOWN

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