

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-141/141-84-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
141-84-4  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
RHODANINE \*93-4\*

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
N/K  
**Code:**  
M N/P

**ACGIHSTEL:**  
EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem  
**Code:**  
1 ACGIH STEL:

## Control Measures

**Respiratory Protection:**  
N/K

**Ventilation:**  
ADEQUATE

**Protective Gloves:**  
DISPOSABLE LATEX

**Eye Protection:**  
LAB GRADE GOGGLES

**Other Protective Equipment:**  
Equipment LAB COAT

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**  
N/K

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
IRRITATING TO EYES, SKIN & RESPIRATORY TRACT. SKIN ABSORPTION. OVEREXPOSURE: CENTRAL NERVOUS SYSTEM DISTURBANCES.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
INHALATION: IRRITATION, DRYNESS, NAUSEA, VOMITING.

**Medical Cond Aggravated By Exposure:**  
SKIN CONDITIONS

**First Aid:**  
EYES/SKIN: FLUSH W/PLENTY OF WATER FOR 15 MINS. INGESTION: GIVE PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
ABSORB ON PAPER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
BURN IN CHEMICAL INCINERATOR EQUIPPED W/AFTERBURNER & SCRUBBER. DISPOSE OF IN ACCORDANCE W/FEDERAL, STATE & LOCAL REGULATIONS. UN1

**Handling And Storage Precautions:**  
2 STORE IN COOL, DRY PLACE AWAY FROM OXIDIZERS.

**Other Precautions:**  
AVOID CONTACT W/EYES, SKIN & CLOTHING. DON'T BREATH CHEMICALS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
CC

**Flash Point:**

**Flash Point Text:**  
-18C/0F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
2.15%

**Upper Limits:**  
13%

**Extinguishing Media:**  
DRY CHEMICAL, ALCOHOL FOAM, CO2

**Fire Fighting Procedures:**  
N/K

**Unusual Fire/Explosion Hazard:**  
AUTOIGNITION POINT: 465C/869F.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
56.5C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
400

**Vapor Density:**  
2

**Volatile Org Content %:**

**Spec Gravity:**  
0.788

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
MISCIBLE

**Appearance and Odor:**  
CLEAR, ORANGE/YELLOW SOLUTION W/ACETONE ODOR

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, FLAMES

**Materials To Avoid:**  
OXIDIZERS, CHROMIC ACID, NITRIC ACID + SULFURIC ACID, CHLOROFORM + BASE, CHROMIC ACID

**Hazardous Decomposition Products:**  
TOXIC FUMES OF CO &CO2

**Hazardous Polymerization Indicator:**  
NO

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

## 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