

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-224/2243-76-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
2243-76-7  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
ALIZARIN YELLOW R Environmental Wt: Other REC L

**Other REC Limits:**  
N/K (FP N)

**OSHA PEL:**  
600 PPM  
**Code:**  
M

**OSHA STEL:**  
N/K (FP N)  
**Code:**  
M

**ACGIH TLV:**  
600 PPM  
**Code:**  
M

**ACGIHSTEL:**  
N/K (FP N)  
**Code:**  
M

## Control Measures

**Respiratory Protection:**  
USE NIOSH APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN (FP N).

**Ventilation:**  
ADEQUATE VENTILATION.

**Protective Gloves:**  
DISPOSABLE LATEX GLOVES.

**Eye Protection:**  
ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

**Other Protective Equipment:**  
Equipment EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

**Work Hygienic Practices:**  
N/P

**Supplemental Safety and Health:**  
PHYSICAL DATA: STATE: LIQUID. SOLUBILITY IN - ACID: NOT DETERMINED; OTHER: NOT DETERMINED. METAL CORROSVITY - ALUMINUM: ND; STEEL: ND.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE TOXICITY: PRACTICALLY NON-TOXIC. ROUTES OF EXPOSURE: NOT APPLICABLE. TARGET ORGANS: NOT APPLICABLE. CHRONIC TOXICITY: NOT DETERMINED. ROUTES OF EXPOSURE: NOT DETERMINED. TARGET ORGANS: NOT DETERMINED. CANCER INFORMATION: NOT APPLICABLE. ROUTES OF EXPOSURE: NOT APPLICABLE. TARGET ORGANS: NOT APPLICABLE. OVEREXPOSURE: IF INGESTED IN VERY LARGE QUANTITIES MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION, HEMOLYSIS, MINIMAL KIDNEY CHANGES, STUPOR, RAPID BREATHING AND HEARTBEAT, SWEATING AND

**Explanation Of Carcinogenicity:**  
N/P

**Signs And Symptoms Of Overexposure:**  
SEE HEALTH HAZARDS. 3

**Medical Cond Aggravated By Exposure:**  
NONE REPORTED.

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE OXYGEN/ARTIFICIAL RESPIRATION) (FP N). EYE CONTACT: IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN. SKIN CONTACT: WASH SKIN WITH SOAP AND PLENTY OF WATER. INGESTION: GIVE LARGE QUANTITIES OF WATER. CALL PHYSICIAN IMMEDIATELY.

**Spill Release Procedures:**  
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT. BURN IN AN EPA APPROVED HAZARDOUS WASTE INCINERATOR.

**Neutralizing Agent:**  
N/P

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

**Handling And Storage Precautions:**  
STORE IN A COOL, DRY PLACE AWAY FROM OXIDIZERS. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

**Other Precautions:**  
N/P

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/K

**Flash Point:**

**Flash Point Text:**  
ND

**Autoignition Temp:**

**Autoignition Temp Text:**  
ND

**Lower Limits:**  
ND

**Upper Limits:**  
ND

**Extinguishing Media:**  
USE MEDIA APPROPRIATE FOR SURROUNDING FIRE CONDITIONS. 4

**Fire Fighting Procedures:**  
USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

**Unusual Fire/Explosion Hazard:**  
NONE REPORTED. SUSCEPTIBILITY TO SPONTANEOUS HEATING: NONE. SHOCK SENSITIVITY: NONE. OXIDIZER: NO. NFPA CODES: HEALTH: 0, FLAMMABILITY: 1, REACTIVITY: 0.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**  
5

**Boiling Point:**

**B.P. Text:**  
ND

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
N/P

**Vapor Pres:**  
ND

**Vapor Density:**  
ND

**Volatile Org Content %:**

**Spec Gravity:**  
ND

**VOC Pounds/Gallon:**

**PH:** NOT DETERMINED

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
ND

**Solubility in Water:**  
MISCIBLE

**Appearance and Odor:**  
ORANGE-RED SOLUTION; NO ODOR.

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

**Corrosion Rate:**  
SUPDAT

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
EXCESSIVE HEAT.

**Materials To Avoid:**  
CONTACT WITH OXIDIZERS.

**Hazardous Decomposition Products:**  
NONE REPORTED.

**Hazardous Polymerization Indicator:**  
NO

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

## 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