

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-72/72-48-0.html> for suppliers of this product.

Composition/Information on Ingredient

Cas: 72-48-0
Code: M
RTECS: CB6580000
Code: M
Name: ALIZARIN *95-2*
Other REC Limits: N/K
OSHA PEL: N/K
Code: M
OSHA STEL:
Code:
ACGIH TLV: N/K
Code: M
ACGIHSTEL: N/P
Code:

Control Measures

Respiratory Protection:
USE A NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR W/APPROPRIATE CHEMICAL CARTRIDGE/CANISTER. SCBA SHOULD BE USED FOR LARGE SCALE APPLICATIONS. 3

Ventilation:
LOCAL EXHAUST/MECHANICAL (GENERAL): APPROPRIATE.

Protective Gloves:
CHEMICALLY RESISTANT

Eye Protection:
CHEMICAL GOGGLES/FACE SHIELD

Other Protective Equipment:
Equipment MAINTAIN SINK, SAFETY SHOWER, EYE &FACE FOUNTAIN. HAVE OXYGEN READILY AVAILABLE, PROTECTIVE CLOTHING.

Work Hygienic Practices:
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY W/SOAP &WATER AFTER HANDLING.

Supplemental Safety and Health:
HEALTH HAZARDS CONT'D: CONCENTRATED SOLUTIONS IN CONTACT W/SKIN & EYES MAY CAUSE CHEMICAL BURNS. PROLONGED CONTACT MAY LEAD TO IRRITATION/SENSITIVITY OF SKIN, DERMATITIS. SPILL CONT'D: SORB NEUTALIZED LIQUID W/CHEMICALLY RESISTANT SORBENT MATERIALS. PLACE IN APPROVED DISPOSAL CONTAINER. SCRUB W/DETERGENT & WATER.

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: EYES: IRRITATION/BURNS. SKIN: IRRITATION/BURNS. PROLONGED EXPOSURE MAY CAUSE DESTRUCTION OF THE DERMA W/IMPAIRMENT OF SKINS REGENERATION. INHALATION: IRRITATION OF UPPER RESPIRATORY SYSTEM. INGESTION: MAY CAUSE BURNS OF MOUTH/THROAT/ESOPHAGUS & STOMACH. (SEE SUPP)
Explanation Of Carcinogenicity: NONE
Signs And Symptions Of Overexposure: IRRITATION, DISCOMFORT, BURNS, SWELLING, PAIN, COUGHING, SHORTNESS OF BREATH, NAUSEA, VOMITING, DIARRHEA.
Medical Cond Aggravated By Exposure: 2 PRE-EXISTING DERMATITIS/SENSITIVITY OF THE SKIN. CHRONIC ASTHMA & OTHER CHRONIC PULMONARY DISEASE.
First Aid: EYES: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS. SKIN: WASH W/PLENTY OF SOAP & WATER FOR SEVERAL MINUTES. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. INGESTION: GIVE 2 GLASSES OF WATER (16 OZ). DON'T INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES.
Spill Release Procedures: VENTILATE AREA. AVOID BREATHING VAPOR. USE SCBA/SUPPLIED AIR FOR LARGE/CONFINED AREAS. CONTAIN LEAKING MATERIAL W/CHEMICALLY RESISTANT SORBENT MATERIALS. MATERIALS IS CAUSTIC/NEUTRALIZE W/APPROPRIATE NEUTRALIZER. (SEE SUPP)
Neutralizing Agent: N/K
Waste Disposal Methods: DISPOSE OF ORIGINAL MATERIAL IAW/FEDERAL/STATE & LOCAL REGULATIONS. ONCE THIS PRODUCT REACTS W/CHEMICAL, IT'LL CONTAIN BY-PRODUCTS OF THE REACTION, WHICH SHOULD BE DISPOSED OF IAW/FEDERAL/STATE & LOCA L REGULATIONS FOR THESE BY-PRODUCTS. UN1760.
Handling And Storage Precautions: STORE IN COOL/DRY, WELL VENTILATED AREA. KEEP AWAY FROM FLAMMABLE MATERIALS & SOURCES OF HEAT/FLAME. PROTECT CONTAINERS FROM DAMAGE.
Other Precautions: KEEP CONTAINERS TIGHTLY CLOSED. STORE AWAY FROM FOODSTUFF/ANIMAL FEED. DON'T BREATHE DUST/GET INTO EYES/ON SKIN/CLOTHING. IF PRODUCT IS STORED AT TEMP >100F/,32F/ELEVATED >5000 FT, GAS MAY FORM. GAS W ILL BULGE THE PACKAGE. (SEE SUPP)

Fire and Explosion Hazard Information

Flash Point Method: N/P
Flash Point:
Flash Point Text: NON-COMBUSTIBLE
Autoignition Temp:
Autoignition Temp Text: N/A
Lower Limits: N/K
Upper Limits: N/K
Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM, CO2.
Fire Fighting Procedures: WEAR SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. CONTAIN AREA TO PREVENT RUNOFF & CONTAMINATION OF WATER SOURCES W/CHEMICALLY RESISTANT.
Unusual Fire/Explosion Hazard: SODIUM METASILICATE IGNITES IN CONTACT W/FLUROINE.

Physical/Chemical Properties

HCC:
NRC/State LIC No:
Net Prop WT For Ammo:
Boiling Point:
B.P. Text: N/K
Melt/Freeze Pt:
M.P/F.P Text: N/R
Decomp Temp:
Decomp Text: N/K
Vapor Pres: N/K
Vapor Density: N/K
Volatile Org Content %:
Spec Gravity: 0
VOC Pounds/Gallon:
PH: 11.5
VOC Grams/Liter:
Viscosity: N/P
Evaporation Rate & Reference: N/K
Solubility in Water: N/R
Appearance and Odor: PURPLE LIQUID W/NO ODOR.
Percent Volatiles by Volume: N/K
Corrosion Rate: N/K

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: N/K
Materials To Avoid: STRONG ACIDS. CORROSIVE TO ALUMINUM/GALVANIZED IRON/ZINC &MAY GENERATE FLAMMABLE HYDROGEN GAS.
Hazardous Decomposition Products: CO, CO2.
Hazardous Polymerization Indicator: NO 4
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