

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:

N/K

Code:**ACGIH TLV:**

N/K

Code:

M

ACGIH STEL:

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 NEUTRALIZED LIQUID W/CHEMICALLY RESISTANT SORBENT MATERIALS. PLACE IN APPROVED DISPOSAL CONTAINER. SCRUB W/DETERGENT & WATER.

Health Hazards Data

LD50/LC50 Mixture:

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 Symptoms 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 & LOCAL 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/LL BULGE THE PACKAGE. (SEE SUPP)

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/P

Flash Point Text:

NON-COMBUSTIBLE

Autoignition Temp:

N/A

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/FLUORINE.

Physical/Chemical Properties

HCC:**NRC/State LIC No:****Net Prop WT For Ammo:**

N/P

Boiling Point:

N/P

B.P. Text:

N/P

Melt/Freeze Pt.:

N/P

Decomp Temp:

N/P

Decomp Text:

N/K

Vapor Pres:

N/P

Vapor Density:

N/K

Volatile Org Content %:

N/P

Spec Gravity:

N/P

VOC Pounds/Gallon:

N/P

PH:

11.5

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

N/R

Purple Liquid w/No Odor:

PURPLE LIQUID W/NO ODOR.

Percent Volatiles by Volume:

N/K

Neutralizing Agent:

N/K

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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: