

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-22-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7440-22-4

Code:
M

RTECS:
VW3500000

Code:
M

Name:
SILVER; (SILVER POWDER) (SARA III)

Other REC Limits:
N/K

OSHA PEL:
0.01 MG/M3

Code:
M

OSHA STEL:

Code:

ACGIH TLV:
0.1 MG/M3

Code:
M

ACGIHSTEL:
N/P

Code:

Control Measures

Respiratory Protection:
NONE REQUIRED UNDER NORMAL WORK CONDITIONS. HOWEVER IF LARGE QUANTITIES ARE SPILLED OR IN CASE OF FIRE, USE NIOSH/MSHA APPROVED SCBA.

Ventilation:
LOCAL AND MECHANICAL RECOMMENDED.

Protective Gloves:
CLOTH GLOVES.

Eye Protection:
CHEMICAL SAFETY GOGGLES (FP N).

Other Protective Equipment:
Equipment NONE KNOWN.

Work Hygienic Practices:
FOLLOW STD WORK/HYGIENIC PRACTS. WASH HANDS THORO W/SOAP &WATER AFTER HNDLG, BEFORE EATING/SMOKING, &AT END OF SHIFT.

Supplemental Safety and Health:
EFFECTS OF OVEREXPOSURE: PRODUCT CONTACT IRRITATES EYES. OTHER PRECAUTIONS: USE MECHANICAL VENTILATION TO STAY BELOW TLV OF 10 PPM. ACETIC ACID: UNCURED PRODUCT CONTACT WILL IRRITATE EYES AND MAY IRRI TATE SKIN.

Health Hazards Data

LD50LC50Mixture:
NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO 2

Health Hazards Acute And Chronic:
PROLONGED OR REPEATED ABSORPTION OF SILVER COMPOUNDS CAN LEAD TO GRAYISH-BLUE DISCOLORATION OF SKIN KNOWN AS ARGYROSIS. RELEASE OF ACETIC ACID DURING CURE MAY CAUSE RESPIRATORY AILMENTS.

Explanation Of Carcinogenicity:
NOT RELEVANT.

Signs And Symptions Of Overexposure:
INGEST: MAY CAUSE GASTRIC DISTRESS. SKIN: UNCURED PROD WILL IRRIT LIPS, GUMS, TONGUE & SKIN. ALSO RPTD &/OR PRLNGD SKIN CONT W/SILVER CMPDS MAY CAUSE GRAYISH-BLUE DISCOLORATION OF SKIN. INHAL: CAUSES MOD RESP IRRIT. RPTD & PRLNGD EXPOS TO ACETIC ACID LIBERATED DURING CURE MAY CAUSE RESP AILMENTS. EYE: UNCURED (SUPDAT)

Medical Cond Aggravated By Exposure:
NONE KNOWN.

First Aid:
INGESTION: RINSE MOUTH WITH WATER SEVERAL TIMES. SKIN: REMOVE COMPLETELY WITH DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER. INHALATION: MOVE PERSON TO FRESH AIR. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

Spill Release Procedures:
WIPE OR SOAK UP WITH ABSORBENT MATERIAL AND PUT INTO CONTAINER FOR DISPOSAL. WASH WALKING SURFACES WITH DETERGENT AND WATER TO REDUCE SLIPPING HAZARD.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION.

Handling And Storage Precautions:
USE CAUTION COMBUSTIBLE MATERIAL.

Other Precautions:
AVOID CONT W/SKIN & EYES. WEARERS OF CONT LENSES MUST NOT HNDL LENSES UNTIL ALL SEALANT HAS BEEN CLEANED FROM FINGERTIPS. RESIDUAL SILICONE WILL TRANSFER TO LENSES & CAUSE SEV EYE IRRIT.PROD RELS ACET IC ACID DURING APPLIC & CURING. (SUPDAT)

Fire and Explosion Hazard Information

Flash Point Method:
PMCC

Flash Point:

Flash Point Text:
162F,72C

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
ALL STANDARD FIRE FIGHTING MEDIA.

Fire Fighting Procedures:
3 WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N). EVACUATE ALL NON-ESSENTIAL PERSONNEL.

Unusual Fire/Explosion Hazard:
MATERIAL IS COMBUST, FOLLOW APPROP PROCS. ALSO, SILVER DUST IS MODERATELY FLAMMABLE WHEN EXPOSED TO FLAME OR CHEMICAL OXIDIZERS. SOME DECOMP PRODS MAY BE TOXIC.

Physical/Chemical Properties

HCC:
V4

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/A

Melt/Freeze Pt:

M.P/F.P Text:
N/A

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/A

Vapor Density:
N/A

Volatile Org Content %:

Spec Gravity:
3.06 +/- 0.05

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:

Solubility in Water:
INSOLUBLE

Appearance and Odor:
SILVER/TAN COLORED PASTE WITH ACETIC ACID ODOR.

Percent Volatiles by Volume:
5.0

Corrosion Rate:
N/K 4

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
EXPOSURE TO MOISTURE BEFORE USING.

Materials To Avoid:
MATL WILL HYDROLYZE IN PRESENCE OF WATER/HUMID AIR. ALSO, SILVER MAY REACT VIOLENTLY WITH OXIDIZING AGENTS, ACIDS/BASES.

Hazardous Decomposition Products:
CARBON MONOXIDE, CARBON DIOXIDE, SIO*2, ACETIC ACID (CH*3COOH).

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