

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-249/24991-55-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

24991-55-7

Code:

M

RTECS:**Code:**

X

Name:

HIGH BOILING GLYCOL ETHER Environmental Wt: Oth

Other REC Limits:

N/P

OSHA PEL:

0.5 MG/M3

Code:

T

OSHA STEL:

N/P

Code:**ACGIH TLV:**

0.5 MG/M3

Code:

T

ACGIH STEL:

NOT ESTABLISHED

Code:

T

Control Measures

Respiratory Protection:

USUALLY NOT REQUIRED. WHEN VENTILATION IS NOT ADEQUATE TO REMOVE SMOKE FROM THE BREATHING ZONE, A NIOSH APPROVED CARTRIDGE TYPE RESPIRATOR SHOULD BE WORN.

Ventilation:

PROVIDE ADEQUATE EXHAUST VENTILATION (GENERAL AND/OR LOCAL) TO MEET TLV REQUIREMENTS.

Protective Gloves:

PLASTIC OR RUBBER GLOVES.

Eye Protection:

ANSI APPROVED CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment EMERGENCY EYE WASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). DO NOT WEAR CONTAMINATED CLOTHING OR SHOES HOME.

Work Hygienic Practices:

WASH HANDS THOROUGHLY AFTER HANDLING SOLDERPASTE.

Supplemental Safety and Health:

COMPOSITION AND WEIGHT % OF SOLDER POWDER VARIES WIDELY AND CAN BE DETERMINED BY PRODUCT LABEL. SOLDER POWDER IS TYPICALLY 85-92% OF SOLDER PASTE COMPOSITION. VOC: 0 G/L.

Health Hazards Data

LD50/LC50/Mixture:

N/P

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

PRIMARY EXPOSURE DURING SOLDERING IS TO EVAPORATED SOLVENT WHICH MAY CONTAIN ORGANIC DECOMPOSITION PRODUCTS. ACUTE: INHALATION: FLUX FUMES DURING SOLDERING MAY CAUSE IRRITATION AND DAMAGE OF MUCOUS MEMBRANES AND RESPIRATORY SYSTEM. SKIN CONTACT: POSSIBLE LOCAL IRRITATION. SKIN ABSORPTION: NONE. EYE CONTACT: IRRITATION FROM CONTACT WITH SMOKE FROM SOLDERING. INGESTION: MOST OF THE SOLDERPASTE WILL PASS THROUGH THE BODY UNABSORBED. LEAD THAT IS ABSORBED IS CAUGHT BY THE LIVER AND, IN PART,

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

HTH HAZ: FROM APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFO AND SAFE HANDLING AND EXPOSURE INFO (FP N). PROLONGED OR REPEATED CONTACT WITH SKIN CAN CAUSE A RASH. BREATHING FUMES DURING SOLDERING MAY CAUSE RESPIRATORY IRRITATION, HEADACHE AND IRRITATION OF MUCOUS MEMBRANES. REPEATED INGESTION OF LEAD CAN RESULT IN SYSTEMIC POISONING.

Medical Cond Aggravated By Exposure:

PRE-EXISTING CONDITIONS OF THE LUNGS, DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS, NERVES AND POSSIBLY REPRODUCTIVE SYSTEM.

First Aid:

EYE CONTACT: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE VICTIM TO FRESH AIR. INGESTION: GASTRIC LAVAGE (STOMACH PUMPING) IF MD ADVISES. GET PROMPT MEDICAL ATTENTION.

Spill Release Procedures:

5 SCOOP UP PASTE AND DEPOSIT IN APPROPRIATE CONTAINERS. CLEAN UP RESIDUAL WITH ISOPROPANOL OR DETERGENT WATER.

Neutralizing Agent:

N/P

Waste Disposal Methods:

DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS (FP N). SOLDERPASTE CAN BE MELTED TO RECLAIM THE SOLDER METAL. CONTAINERS AND EXTRACTED FLUX ARE HAZARDOUS WASTE. CAUTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. OBSERVE ALL LABEL PRECAUTIONS.

Handling And Storage Precautions:

STORE AT OR NEAR 70F(21C) IN CLOSED CONTAINERS. WASH HANDS THOROUGHLY AFTER HANDLING SOLDERPASTE AND BEFORE EATING OR SMOKING. CARE SHOULD BE TAKEN TO REMOVE SOLDERPASTE FROM UNDER FINGERNAILS.

Other Precautions:

N/P

Fire and Explosion Hazard Information

Flash Point Method:

TOC

Flash Point:

>93.3C, 200.F

Flash Point Text:**Autoignition Temp:**

>226.7C, 440.F

Autoignition Temp Text:**Lower Limits:**

NE

Upper Limits:

NE

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:

USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard:

NONE. HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, LEAD OXIDE FUMES. EXPLOSION SENSITIVITY: IMPACT-NONE IDENTIFIED; STATIC DISCHARGE-NO.

Physical/Chemical Properties

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

N/A

Melt/Freeze Pt:

N/A

Decomp Temp:

N/P

Decomp Text:

N/P

Vapor Pres:

N/A

Vapor Density:

N/A

Volatile Org Content %:

N/A

Spec Gravity:

>1 (H2O=1 @ 25C)

VOC Pounds/Gallon:

N/P

PH:

N/A

VOC Grams/Liter:

N/P

Viscosity:

N/P

Evaporation Rate & Reference:

N/P

Solubility in Water:

10% BY WEIGHT

Appearance and Odor:

GRAY METALLIC PASTE WITH MILD ODOR.

Percent Volatiles by Volume:

<1

Corrosion Rate:

N/P

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Other Precautions:

N/P

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

NONE

Materials To Avoid:

STRONG ACIDS, STRONG OXIDIZERS.

Hazardous Decomposition Products:

WHEN HEATED TO SOLDERING TEMPERATURES, SOLVENTS ARE EVAPORATED AND THERMAL DEGRADATION PRODUCTS MAY INCLUDE ALIPHATIC ALDEHYDES AND ACIDS. NO LEADS IS DETECTED IN FUMES FROM SOLDERING BELOW 100F(53.7C).

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/P

Toxicological Information