

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-69-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7440-69-9
Code:
M

RTECS:
EB2600000
Code:
M

Name:
BISMUTH

Other REC Limits:
NONE RECOMMENDED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
USUALLY NOT REQUIRED. WHEN VENTILATION IS NOT SUFFICIENT TO REMOVE FUMES FROM THE BREATHING ZONE, A CARTRIDGE TYPE RESPIRATOR SHOULD BE WORN.

Ventilation:
PROVIDE ADEQUATE EXHAUST VENTILATION (GENERAL OR LOCAL) TO MEET TLV REQUIREMENTS.

Protective Gloves:
NONE

Eye Protection:
NONE

Other Protective Equipment:
Equipment NONE

Work Hygienic Practices:
WASH HANDS THOROUGHLY AFTER HANDLING SOLDER CONTAINING LEAD BEFORE EATING OR SMOKING.

Supplemental Safety and Health:
CAUTION: EMPTY CONTAINERS MAY CONTAIN PRODUCT RESIDUE. OBSERVE ALL LABEL PRECAUTIONS.

Health Hazards Data

LD50LC50Mixture:
TLV: UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
YES

Carcinogenicity Inds - NTP:
NO

IARC:
N/P

OSHA:
NO

Health Hazards Acute And Chronic:
ACUTE: INHALATION-OVER EXPOSURE TO LEAD MAY LEAD TO CENTRAL NERVOUS SYSTEM DISORDERS. INGESTION-NOT LIKELY TO OCCUR, BUT WOULD HAVE SIMILIAR EFFECTS AS INHALATION. CHRONIC: REPEATED INHALATION AND ING ESTION OF LEAD CAN RESULT IN SYSTEMIC POISONING.

Explanation Of Carcinogenicity:
NONE SPECIFIED BY MANUFACTURER.

Signs And Symptions Of Overexposure:
INHALATION-DROWSINESS, SEIZURES, COMA AND DEATH.

Medical Cond Aggravated By Exposure:
PRE-EXISTING CONDITIONS OR DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS, KIDNEYS AND POSSIBLY REPRODUCTIVE SYSTEM.

First Aid:
EYE CONTACT-FOR BURNS FLUSH IMMEDIATELY WITH COOL WATER. SKIN CONTACT-FOR BURNS FLUSH IMMEDIATELY WITH COLL WATER. INHALATION-REMOVE PERSON FROM EXPOSURE TO FUMES. INGESTION-IF THOUGHT TO BE OVEREXPOSE D, THE PERSON SHOULD HAVE A BLOOD ANALYSIS DONE.

Spill Release Procedures:
MELTED SOLDER WILL SOLIDIFY ON COOLING AND CAN BE SCRAPED UP. USE CAUTION TO AVOID BREATHING FUMES IF A GAS TORCH IS USED TO CUT UP LARGE PIECES.

Neutralizing Agent:
N/R

Waste Disposal Methods:
SOLDER CAN BE RECLAIMED.

Handling And Storage Precautions:
STORE AWAY FROM SOURCES OF SULFUR.

Other Precautions:
WASH HANDS AFTER HANDING SOLDER CONTAINING LEAD BEFORE EATING OR SMOKING. AVOID BREATHING SMOKE/FUMES GENERATED DURING SOLDERING. DO NOT PLACE FLUX CORED SOLDER INTO A HOT SOLDER POT BECAUSE THE FULX MAY IGNITE. 3

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/R

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
NONE SPECIFIED BY MANUFACTURER.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS IF THIS MATERIAL IS IN THE VICINITY OF A FIRE.

Unusual Fire/Explosion Hazard:
FLUX CORED SOLDER MAY IGNITE WHEN THE SOLDER MELTS IN A FIRE.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/R 4

Melt/Freeze Pt:

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

Decomp Temp:

Decomp Text:
N/R

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
>1

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
N/R

Evaporation Rate & Reference:
N/R

Solubility in Water:
0

Appearance and Odor:
SILVER-GRAY METAL IN WIRE, RIBBON OR PREFORMED SHAPES WITH A CORE OF FLUX.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
N/R

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE

Materials To Avoid:
STRONG ACIDS, STRONG OXIDIZERS.

Hazardous Decomposition Products:
MELTED SOLDER MAY LIBERATE CARBON MONOXIDE, CARBON DIOXIDE, LEAD OXIDE FUMES.

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NE

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

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WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used

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