

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-56-4.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7440-56-4
Code:
M

RTECS:

Code:
X

Name:
GERMANIUM

Other REC Limits:
NONE SPECIFIED

OSHA PEL:
NOT ESTABLISHED
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
NOT ESTABLISHED
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
NONE NORMALLY REQUIRED. WEAR HEPA RESPIRATOR FOR GRINDING, SANDING, OR WORKING WITH GERMANIUM POWDER.

Ventilation:
LOCAL EXHAUST RECOMMENDED FOR WORKING WITH GERMANIUM DUST.

Protective Gloves:
RUBBER.

Eye Protection:
SAFETY GLASSES OR GOGGLES.

Other Protective Equipment:
Equipment NONE.

Work Hygienic Practices:
NO EATING OR DRINKING IN WORK AREA. WASH AFTER HANDLING. AVOID INGESTION OR INHALATION OF DUST OR FUME. 4

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
UNKNOWN

Route Of Entry Inds - Inhalation:
YES

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
2 HEALTH HAZARDS ARE UNKNOWN. GERMANIUM IS GENERALLY CONSIDERED TO BE OF LOW TOXICITY.

Explanation Of Carcinogenicity:
N/P

Signs And Symptions Of Overexposure:
NOT KNOWN. GERMANIUM IS GENERALLY CONSIDERED TO BE OF LOW TOXICITY.

Medical Cond Aggravated By Exposure:
NONE SPECIFIED BY MANUFACTURER.

First Aid:
EYES: HARMLESS. FLUSH WITH LARGE AMOUNTS OF WATER. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

Spill Release Procedures:
COLLECT GERMANIUM DUST AND PARTS IN SUITABLE CONTAINER FOR RETURN TO SUPPLIER FOR RECLAMATION OR DISPOSAL. WEAR RUBBER GLOVES AND EYE PROTECTION. MINIMIZE THE CREATION OF DUST.

Neutralizing Agent:
NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:
DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RETURN DUST AND PIECES TO PRODUCER FOR GEMANIUM RECOVERY.

Handling And Storage Precautions:
STORE IN CLEAN, DRY AREA. PROTECT FROM PHYSICAL DAMAGE.

Other Precautions:
NONE.

Fire and Explosion Hazard Information

Flash Point Method:
3 N/P

Flash Point:

Flash Point Text:
NONFLAMMABLE

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/R

Upper Limits:
N/R

Extinguishing Media:
ANY EXTINGUISHING MEDIA.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA).

Unusual Fire/Explosion Hazard:
NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
5126F,2830C

Melt/Freeze Pt:

M.P/F.P Text:
UNKNOWN

Decomp Temp:

Decomp Text:
NOT KNOWN

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
5.323 (WATER=1)

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/R

Solubility in Water:
NONE

Appearance and Odor:
GRAYISH WHITE METAL. ODORLESS.

Percent Volatiles by Volume:
N/R

Corrosion Rate:
UNKNOWN

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid:
BROMINE, CHLORINE, FLUORINE, OXYGEN, POTASSIUM CHLORATE AND POTASSIUM WHEN THE GERMANIUM IS HEATED.

Hazardous Decomposition Products:
NONE. 5

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
WILL NOT OCCUR.

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