

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-18-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7440-18-8
Code:
M

RTECS:

Code:
X

Name:
RUTHENIUM

Other REC Limits:
N/K

OSHA PEL:
N/K
Code:
M

OSHA STEL:

Code:

ACGIH TLV:
N/K
Code:
M

ACGIHSTEL:
N/P
Code:

Control Measures

Respiratory Protection:
WEAR APPROVED RESPIRATORS.

Ventilation:
MECHANICAL/LOCAL EXHAUST VENTILATION FILTRATION SHOULD BE EMPLOYED.

Protective Gloves:
RECOMMENDED

Eye Protection:
GOGGLES

Other Protective Equipment:
Equipment PROTECTIVE CLOTHING

Work Hygienic Practices:
N/K

Supplemental Safety and Health:
EACH INGOT WEIGHT: 5-8 GMS. (APPROX). 5

Health Hazards Data

LD50LC50Mixture:
N/K

Route Of Entry Inds - Inhalation:
YES

Skin:
YES

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
INHALATION: DUST MAY CAUSE RESPIRATORY TRACT IRRITATION, PULMONARY HYPERSENSITIVITY, & FREE SILICA AT HIGH LEVELS OVER MANY YEARS MAY CAUSE SILICOSIS. SKIN: DUST MAY CAUSE DERMATITIS.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
INHALATION: DUST MAY CAUSE RESPIRATORY TRACT IRRITATION, PULMONARY HYPERSENSITIVITY, & FREE SILICA AT HIGH LEVELS OVER MANY YEARS MAY CAUSE SILICOSIS. SKIN: DUST MAY CAUSE DERMATITIS.

Medical Cond Aggravated By Exposure:
DERMATITIS

First Aid:
EYES: FLUSH THOROUGHLY W/RUNNING WATER. SKIN: FLUSH & SCRUB THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE PERSON TO FRESH AIR, ASSIST BREATHING WITH ADDITIONAL OXYGEN IF NECESSARY. CONTACT PHYSICIAN.

Spill Release Procedures:
REMOVE DUST BY VACUUMING OR WET SWEEPING TO PREVENT POWDERING IN THE AIR. USE CONTAINERIZED DISPOSAL.

Neutralizing Agent:
N/K

Waste Disposal Methods:
4 NO SPECIAL PRECAUTIONS ARE REQUIRED FOR BULK (SOLID) SHAPES, SUCH AS INGOTS.

Handling And Storage Precautions:
AVOID CONTACT W/SKIN. GRIND, POLISH, & MELT THIS ALLOY ONLY IN THE PRESENCE OF ADEQUATE VENTILATION.

Other Precautions:
N/K

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
N/K

Autoignition Temp:

Autoignition Temp Text:
N/A

Lower Limits:
N/K

Upper Limits:
N/K

Extinguishing Media:
N/K

Fire Fighting Procedures:
N/K

Unusual Fire/Explosion Hazard:
THE ALLOYS ARE FIRE & EXPLOSION RESISTANT.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:
N/K

Melt/Freeze Pt:

M.P/F.P Text:
2438-2488F

Decomp Temp:

Decomp Text:
N/K

Vapor Pres:
N/K

Vapor Density:
N/K

Volatile Org Content %:

Spec Gravity:
8.32

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:
N/P

Evaporation Rate & Reference:
N/K

Solubility in Water:
INSOLUBLE

Appearance and Odor:
PLATINUM COLOR, NO ODOR

Percent Volatiles by Volume:
N/K

Corrosion Rate:
N/K

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
HIGH TEMPERATURES

Materials To Avoid:
N/K

Hazardous Decomposition Products:
FUMES

Hazardous Polymerization Indicator:
NO

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

Other Information:N/P

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

WARRANTY
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

LookChem™

Look for Chemicals

www.lookchem.com