

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-15-5.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

7440-15-5

Code:

M

RTECS:

Code:

X 3

Name:

RHENIUM

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:

USE OSHA APPROVED RESPIRATORS AS NECESSARY FOR FUMES & DUSTS.

Ventilation:

LOCAL EXHAUST: WHERE METAL FUMES OR DUSTS ARE PRODUCED.

Protective Gloves:

REQUIRED

Eye Protection:

GOGGLES

Other Protective Equipment:

Equipment PROTECTIVE CLOTHING &EQUIPMENT

Work Hygienic Practices:

USE GOOD HOUSECLEANING PRACTICES TO PREVENT ACCUMULATION OF DUST &FOLLOW CLEANING TECHNIQUES.

Supplemental Safety and Health:

N/K

Health Hazards Data

LD50LC50Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

NO

Ingestion:

NO

Carcinogenicity Inds - NTP:

YES

IARC:

YES

OSHA:

NO

Health Hazards Acute And Chronic:

INHALATION: DUSTS & FUMES CONTAINING NICKEL, CHROMIUM, COBALT, & OTHER METALS CAN BE TOXIC IF TLV IS EXCEEDED.

ALLERGIC ASTHMA. SKIN: IRRITATION.

Explanation Of Carcinogenicity:

SEE INGREDIENTS.

Signs And Symptions Of Overexposure:

N/K

Medical Cond Aggravated By Exposure:

SENSITIVITY

First Aid:

INHALATION: REMOVE TO FRESH AIR. BEGIN ARTIFICIAL RESPIRATION IF NOT BREATHING. SKIN: BRUSH OFF SKIN & CLOTHING. WASH

W/SOAP & WATER. REMOVE METALLIC PARTICLES & CLEANSE WOUNDS. EYES: FLUSH W/WATER. I NGESTION: OBTAIN MEDICAL

ATTENTION IN ALL CASES.

Spill Release Procedures:

SOLID FORM: RETURN TO ORIGINAL CONTAINER/RECYCLE. DUST: WEAR PROTECTIVE CLOTHING/EQUIPMENT. KEEP AIRBORNE DUST TO

A MINIMUM. SWEEP/VACUUM. WET DOWN AREA. DON'T FLUSH INTO DRAINS/WATERWAYS. PLACE IN ME TAL/PLASTIC DRUM, SEAL,

SAVE FOR RECLAMATION.

Neutralizing Agent:

N/K

Waste Disposal Methods:

DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

Handling And Storage Precautions:

DON'T EAT, DRINK, OR SMOKE IN AREAS WHERE METAL DUSTS OR FUMES ARE GENERATED.

Other Precautions:

THIS PRODUCT CONTAINS TOXIC CHEMICALS (NICKEL, CHROMIUM, COBALT). IF THESE MATERIALS ARE RELEASED FROM THE ARTICLE

THROUGH METAL FINISHING/WELDING/MELTING/DISSOLVING THE RELEASES MAY BE SUBJECT TO EME RGENCY & ANNUAL RELEASE

REPORTING. 4

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:

SAND, DOLOMITE, GRAPHITE POWDER OR SODIUM CHLORIDE

Fire Fighting Procedures:

SOLID METAL: NOT IGNITABLE.

Unusual Fire/Explosion Hazard:

MODERATE FIRE & EXPLOSIVE HAZARD WHEN EXPOSED TO HEAT, FLAME, ELECTRIC CURRENT, OR STATIC ELECTRICITY (DUST &

POWDER).

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

N/K 5

Melt /Freeze Pt:

M.P /F.P Text:

N/K

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

Spec Gravity:

N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

INSOLUBLE

Appearance and Odor:

SOLID FORM, DARK GRAY &LUSTROUS IN COLOR.

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, FLAME, ELECTRIC CURRENT, OR STATIC ELECTRICITY

Materials To Avoid:

STRONG OXIDIZING AGENTS, SUCH AS CONCENTRATED NITRIC ACID

Hazardous Decomposition Products:

N/K

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