

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-33-7.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

7440-33-7

**Code:**

M

**RTECS:**

YO7175000

**Code:**

M

**Name:**

TUNGSTEN

**Other REC Limits:**

N/P

**OSHA PEL:**

5 MG/M3/ 10 STEL

**Code:**

M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

5 MG/M3/10 STEL;9192

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST.

**Ventilation:**

LOCAL/GENERAL TO MAINTAIN PEL/TLV;AVOID IGNITION

**Protective Gloves:**

IMPERVIOUS

**Eye Protection:**

SAFETY GOGGLES/FACE-SHIELD

**Other Protective Equipment:**

Equipment EYE-WASH FOUNTAIN,SAFETY SHOWER

**Work Hygienic Practices:**

AVOID CONTACT WITH EYES AND SKIN.DO NOT BREATHE VAPORS/MIST.WASH THOROUGHLY AFTER EACH USE.

**Supplemental Safety and Health:**

N/P

## Health Hazards Data

**LD50/LC50 Mixture:**

N/K

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

N/P

**Carcinogenicity Inds - NTP:**

N/P

**IARC:**

N/P

**OSHA:**

N/P

**Health Hazards Acute And Chronic:**

ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY TRACT DUE TO VAPORS/MIST OR DUST PROBLEM;INHALATION CAUSES MAIN PROBLEM.  
CHRONIC:DERMATITIS DUE TO SENSITIVITY OF AN INDIVIDUAL.

**Explanation Of Carcinogenicity:**

N/R

**Signs And Symptoms Of Overexposure:**

SEE HEALTH HAZARDS DATA.

**Medical Cond Aggravated By Exposure:**

PRE-EXISTING CONDITIONS MAY BE WORSEN.

**First Aid:**

3 EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES,CALL A PHYSICIAN. SKIN:WASH WITH SOAP & WATER.

INHALATION:REMOVE TO FRESH AIR;SEEK MEDICAL HELP. INGESTION:CONSULT A PHYSICIAN IMMEDIATELY.

**Spill Release Procedures:**

USE PROPER PERSONAL PROTECTION.SWEEP OR VACUUM AND COLLECT FOR PROPER DISPOSAL;AVOID DUST GENERATION.

**Neutralizing Agent:**

N/R

**Waste Disposal Methods:**

DISPOSE OF COLLECTED MATERIAL IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**

STORE IN COOL,DRY AND WELL VENTILATED AREA.DO NOT CREATE DUST PROBLEM.

**Other Precautions:**

N/P

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

N/P

**Boiling Point:**

10,800F

**Melt / Freeze Pt:**

N/R

**Decomp. Text:**

UNKNOWN

**Vapor Pres:**

1 MMHG

**Vapor Density:**

HIGH

**Volatile Org Content %:**

N/R

**Spec Gravity:**

N/K

**VOC Pounds/Gallon:**

N/R

**PH:**

N/K

**VOC Grams/Liter:**

N/R

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Solubility in Water:**

NEGLIGIBLE

**Appearance and Odor:**

GREY POWDER ,NO ODOR

**Percent Volatiles by Volume:**

0.0

**Corrosion Rate:**

UNKNOWN

**Autoignition Temp Text:**

N/R

**Lower Limits:**

N/K

**Upper Limits:**

N/R

**Extinguishing Media:**

USE SUITABLE MEDIA FOR SURROUNDING FIRES.

**Fire Fighting Procedures:**

FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

**Unusual Fire/Explosion Hazard:**

4 GIVES OFF CO AND/OR CO<sub>2</sub> WHEN BURNING IN OXYGEN CONTAINING ATMOSPHERE.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State LIC No:**

N/R

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

N/P

**B.P. Text:**

10,800F

**Melt / Freeze Pt:**

N/R

**M.P/F.P Text:**

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## Toxicological Information

**Information:**

N/P

**MSDS Transport Information:**

N/P

**Information:**

N/P

## Regulatory Information

**Sara Title III Information:**</p