

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-00-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7440-00-8  
**Code:**  
M

**RTECS:**  
QO8575000  
**Code:**  
M

**Name:**  
NEODYMIUM

**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:**  
IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

**Ventilation:**  
LOCAL VENTILATION SHOULD BE PROVIDED.

**Protective Gloves:**  
TO PROTECT AGAINST PHYSICAL HAZARDS.

**Eye Protection:**  
SAFETY GLASSES

**Other Protective Equipment:**  
Equipment SAFETY SHOWER AND EYE BATH. INDUSTRIAL TYPE WORK CLOTHING AND APRON AS REQUIRED TO AVOID PROLONGED OR REPEATED CONTACT.

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
N/P 8

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL RAT) IS UNKNOWN

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
MANUFACTURER STATES THAT THERE IS VERY LITTLE HAZARD IN FINAL METAL ROD PRODUCT. PRINCIPAL HAZARD IS TO WORKERS MAKING THIS MATERIAL AND FROM EXPOSURE TO METAL DUSTS AND FUMES WHICH MAY CAUSE ALTERATI ON OF THE COAGULATION PROPERTIES OF BLOOD AND METALLIC FUME FEVER. CONSIDER MATERIAL AS NUISANCE DUST.

**Explanation Of Carcinogenicity:**  
NONE OF THE CHEMICALS IN THIS PRODUCT IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

**Signs And Symptoms Of Overexposure:**  
6 IRRITATION TO EYES, NOSE AND THROAT. FLU-LIKE SYMPTOMS, FEVER, NAUSEA, VOMITING, MUSCULAR PAIN. IN EXTREME CASES, HEMORRHAGING.

**Medical Cond Aggravated By Exposure:**  
PERSONS WITH A HISTORY OF EYE, SKIN, BLOOD AND RESPIRATORY DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE.

**First Aid:**  
EYE: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. INGESTION: GIVE 1-2 GLASSES OF WATER AND GET PROMPT MEDICAL ATTENTION.

**Spill Release Procedures:**  
AVOID DUST GENERATION VIA VACUUM METHODS OR USE OF WATER. USE APPROPRIATE RESPIRATOR

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. DISPOSE OF AS A FLAMMABLE SOLID.

**Handling And Storage Precautions:**  
STORE IN METAL CONTAINERS IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER CLOSED WHEN NOT IN USE.

**Other Precautions:**  
AVOID FLAMES AND SPARKS. AVOID MIXING WITH HALOGENS, PHOSPHORUS, OR OTHER OXIDIZING MATERIALS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
>500F,>260C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K 7

**Extinguishing Media:**  
COVER WITH DRY SALT OR DRY SAND TO SMOTHER. AVOID USE OF WATER DUE TO SLOW REACTION YIELDING HYDROGEN GAS.

**Fire Fighting Procedures:**  
WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

**Unusual Fire/Explosion Hazard:**  
COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. FINE METALLIC POWDERS ARE PYROPHORIC AND MAY IGNITE BY FRICTION.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
6800F,3760C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
1700F,927C

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
7.3

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
REACTS SLOWLY

**Appearance and Odor:**  
METALLIC; GRAY TO BLACK - ODORLESS

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
MOSITURE AND ACIDIC CONDITIONS.

**Materials To Avoid:**  
WATER, ACIDS, PHOSPHORUS, HALOGENS, OXIDIZING MATERIALS, SULFUR.

**Hazardous Decomposition Products:**  
FLAMMABLE HYDROGEN GAS

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT APPLICABLE 9

## 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