

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7440-02-0.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7440-02-0  
**Code:**  
M

**RTECS:**  
QR5950000  
**Code:**  
M

**Name:**  
NICKEL (SARA III)

**Other REC Limits:**  
N/P

**OSHA PEL:**  
1 MG/M3  
**Code:**  
M

**OSHA STEL:**  
ACGIH TLV: 1 MG/M3; 9192  
**Code:**  
2 OSHA STEL:

**ACGIH TLV:**  
1 MG/M3; 9192  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
DURING SPRAYING OPERATIONS:USE NIOSH/MSHA METAL FUME MASK OR SUPPLIED AIR RESPIRATOR. AT OTHER TIMES:NONE IS EXPECTED TO BE NECESSARY. 4

**Ventilation:**  
LOCAL EXHAUST DURING SPRAYING OPERATIONS SUFFICIENT TO MAINTAIN EXPOSURE BELOW PEL/TLV. OTHER TIMES NOT NECESSARY.

**Protective Gloves:**  
AS NEEDED FOR BURN PROTECTION.

**Eye Protection:**  
SAFETY GLASSES PLUS ANSI WELDERS LENSES.

**Other Protective Equipment:**  
Equipment EYE WASH STATION. APRON ETC FOR THERMAL BURN PROTECTION. ANSI WELDERS LENS GOGGLES AND/OR FACESHIELD DURING SPRAYING.

**Work Hygienic Practices:**  
USE GOOD INDUSTRIAL HYGIENE PRACTICE.

**Supplemental Safety and Health:**  
MSDS NO 50-215.

## 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:**  
PRODUCT DOES NOT POSE A HAZARD UNTIL UTILIZED IN A SPRAY OPERATION,THEN THE HAZARDS ARE THERMAL BURNS,RETINAL BURNS,METALLIC VAPOR INHALATION,EXCESSIVE SOUND LEVELS.

**Explanation Of Carcinogenicity:**  
NICKEL AND NICKEL COMPOUNDS ARE LISTED BY IARC AND NTP. SEE REPORTS FOR DETAILS.

**Signs And Symptions Of Overexposure:**  
EYE:PHYSICAL IRRITATION,RETINA DAMAGE FROM UV EXPOSURE. SKIN:THERMAL BURNS FROM HOT MATERIAL. INHALED:RESPIRATORY IRRITATION,PULMONARY DAMAGE FROM PARTICULATES,SHAVERS DISEASE. INGESTED:NOT REPORTED.

**Medical Cond Aggravated By Exposure:**  
NONE REPORTED.

**First Aid:**  
EYE:FLUSH WITH WATER 15 MIN. SKIN:REMOVE CONTAMINATED CLOTHING. WASH AREA WITH SOAP AND WATER. LAUNDER CLOTHING BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. GIVE ARTIFICIAL RESPIRATION OR OXYGEN IF NEE DED. INGESTED:DO NOT INDUCE VOMITING. GIVE WATER OR MILK. (NOTHING BY MOUTH IF UNCONSCIOUS) GET IMMEDIATE MEDICAL CARE. IF SYMPTOMS PERSIST OR ARE SEVERE,GET MEDICAL CARE.

**Spill Release Procedures:**  
SWEEP UP RESIDUE OR PICK UP PIECES. 3

**Neutralizing Agent:**  
NONE

**Waste Disposal Methods:**  
DISPOSE I/A/W FEDERAL,STATE,LOCAL REGULATIONS. HMIS SUGGESTS RECLAIM IF POSSIBLE,IF NOT,LANDFILL. NOTE:NICKEL HAS AN RQ AND QUALIFIES AS HAZARDOUS WASTE IN SOME CASES.

**Handling And Storage Precautions:**  
STORE IN A COOL,DRY,WELL VENTILATED AREA.

**Other Precautions:**  
AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST/FUMES.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
NOT FLAMMABLE. USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. SHOULD WIRE BURN USE SAND OR OTHER AGENT FOR METAL FIRE.

**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:**  
MODERATE FIRE HAZARDS IF EXPOSED TO FLAMES

## Physical/Chemical Properties

**HCC:**  
N1

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
1300-2500

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K 5

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
WIRE-NO ODOR.

**Percent Volatiles by Volume:**  
NIL

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE

**Materials To Avoid:**  
ALKALIS.

**Hazardous Decomposition Products:**  
NONE

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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