

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-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

**ACGIH STEL:**

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

**LD50/LC50 Mixture:**

N/K

**Route Of Entry Inh - Inhalation:**

YES

**Skin:**

NO

**Ingestion:**

NO

**Carcinogenicity Inh - 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 Symptoms 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 NEEDED. 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:**

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**Flash Point Text:**

NONE

**Autoignition Temp:**

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**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

**NP/State Lic No:**

N/R

**Net Prop WT For Ammo:**

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

**Boiling Point:**

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**B.P. Text:**

N/K

**Melt/Freeze Pt:**

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

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**Decomp Temp:**

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**Vapor Pres:**

N/K

**Vapor Density:**

N/K

**Volatile Org Content %:**

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

**Spec Gravity:**

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

**VOC Pounds/Gallon:**

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

**PH:**

N/K 5

**PH:**

N/K 5

**VOC Grams/Liter:**

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**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/K

**Flash Point Text:**

NONE

**Autoignition Temp Text:**

N/K

**Lower Limits:**

N/K

**Upper Limits:**

N/K

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## Reactivity Data

**Stability Indicator:**

YES

**Stability Condition To Avoid:**

NONE

**Materials To Avoid:**

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**Hazardous Decomposition Products:**

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**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

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## Toxicological Information

**Information:**

N/P

**Information:**

&lt;p