



|              |   |
|--------------|---|
| Health       | 1 |
| Flammability | 1 |
| Reactivity   | 0 |
| PPE          | X |

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Product** V075340  
**MSDS Name** NEV-SZ NUCLEAR NG-4 4  
**CAS #** Mixture  
**Generic Description** Miscellaneous  
**Manufacturer** BOSTIK FINDLEY, INC.  
 211 Boston Street  
 Middleton , MA 01949 USA

**24 Hour Emergency Assistance**  
 Phone: 1-800-227-0332

**General Assistance**  
 Phone: 1-978-777-0100

**MSDS Assistance**  
 Phone: 1-978-777-0100

2 COMPOSITION / INFORMATION ON INGREDIENTS

| Component   | CAS Number  | Percentage |
|---|-------------|------------|
| NICKEL  | 7440-02-0   | 10 - 30    |
| Non-hazardous and other ingredients below reportable levels | Proprietary | Balance    |

3 HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Primary Routes of Exposure: eyes, skin, and inhalation. Irritating fumes and gases may be released upon thermal processing or during combustion.

**POTENTIAL HEALTH EFFECTS**

**SKIN CONTACT:** This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis. Prolonged contact with this product may cause allergic skin sensitization reactions.

**EYE CONTACT:** This product may cause irritation to the eyes.

**INHALATION:** Fumes released during thermal processing may irritate respiratory system, skin and eyes.

**INGESTION:** Ingestion may cause gastrointestinal tract discomfort or damage.

**TARGET ORGANS**

Skin.

## 4 FIRST AID MEASURES

### SKIN

For minor exposures, wash thoroughly with soap and clean water. In situations involving considerable skin contact, place the contaminated person in a deluge shower for at least 15 minutes. Remove contaminated clothing to prevent further skin exposure and dispose of properly. Get medical attention if irritation persists.

### EYE

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

### INHALATION

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

### INGESTION

Do not induce vomiting. If person is conscious and can swallow, immediately give two glasses of water. Seek immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Dermatitis.

### NOTES TO PHYSICIAN

Treat symptomatically and supportively. Contact Bostik Findley to determine whether any additional information is available.

## 5 FIRE FIGHTING MEASURES

### EXTINGUISHING MEDIA

Use dry chemical, carbon dioxide, or foam. Water spray (fog).

### DUST EXPLOSION HAZARD

None Known

### SENSITIVITY TO MECHANICAL IMPACT

None Known

### SENSITIVITY TO STATIC DISCHARGE

None Known

### UNUSUAL FIRE & EXPLOSION HAZARDS

Product may burn and produce toxic gases in a fire.

### FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Firefighters should wear full protective clothing including self contained breathing apparatus.

**Flash Point** > 482 F (> 250 C)

## 6 ACCIDENTAL RELEASE MEASURES

### EMERGENCY ACTION

Appropriate safety measures and protective equipment should be used. See Section 8. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations.

### SPILL OR LEAK PROCEDURE

Scrape up grease and deposit into appropriate containers for disposal.

### CLEAN-UP PROCEDURES

Scrape up the spilled material. Deposit into appropriate containers for disposal. Follow the guidelines of 29CFR 1910.120 for dealing with a spill of any size. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill, including the material spilled, the quantity of the spill and the area in which the spill occurred. Wear appropriate protective equipment and clothing during clean-up.

## 7 HANDLING & STORAGE

### STORAGE

Store in a cool, dry, well-ventilated area away from heat, ignition sources and direct sunlight. Keep containers tightly closed unless the product has become moisture contaminated.

### EMPTY CONTAINER PRECAUTION

Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS

Ventilation is not normally required.

### EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear safety glasses with side shields.

### SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear protective impervious gloves to minimize skin exposure. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

### RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Not normally needed.

### EXPOSURE LIMITS

#### ACGIH 2000 - Time Weighted Averages

|        |           |  |
|--------|-----------|--|
| NICKEL | 7440-02-0 | 1.5 mg/m <sup>3</sup> TWA (inhalable fraction) |
|--------|-----------|--|

#### OSHA - Vacated PELs - Time Weighted Averages

|        |           |                         |
|--------|-----------|-------------------------|
| NICKEL | 7440-02-0 | 1 mg/m <sup>3</sup> TWA |
|--------|-----------|-------------------------|

## 9 PHYSICAL & CHEMICAL PROPERTIES

**Solubility In Water** 0.1 %

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|                     |       |                           |                            |
|---------------------|-------|---------------------------|----------------------------|
| <b>MSDS Number</b>  | 15283 | <b>Product</b>            | V075340                    |
| <b>Label Number</b> | 15283 | <b>NA = Not Available</b> | <b>ND = Not Determined</b> |

|                                  |             |
|----------------------------------|-------------|
| <b>Target Solids</b>             | 100 %       |
| <b>Density</b>                   | 1.29 g/cc   |
| <b>Odor Threshold</b>            | NA          |
| <b>Octanol/Water Coefficient</b> | NA          |
| <b>Odor</b>                      | Hydrocarbon |
| <b>Color</b>                     | Gray-Black  |
| <b>Physical State</b>            | Paste       |
| <b>Freeze Protect</b>            | No          |

## 10 STABILITY & REACTIVITY

### STABILITY/INCOMPATIBILITY

Stable under normal conditions.

### HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.

### HAZARDOUS POLYMERIZATION

Will not occur.

### CONDITIONS TO AVOID

Avoid contact with Strong Oxidizers and Strong Acids.

## 11 TOXICOLOGICAL INFORMATION

### CHRONIC EFFECTS

Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.

### CARCINOGENICITY

#### IARC - Group 1 (carcinogenic to humans)

NICKEL 7440-02-0 Monograph 49, 1990; (Evaluated as a group)

#### IARC - Group 2B (Possibly carcinogenic to humans)

NICKEL 7440-02-0 Monograph 49, 1990

#### NTP Ninth Report - Suspect Carcinogens

NICKEL 7440-02-0 Suspect Carcinogen; (under Nickel and Certain Compounds)

#### OSHA - Possible Select Carcinogens

NICKEL 7440-02-0 Suspect Carcinogen; (under Nickel and Certain Compounds); {NTP Ninth Report - Suspect Car Monograph 49, 1990; {IARC - Group 2B (Possibly carcinogenic to humans)}}

#### OSHA - Select Carcinogens

NICKEL 7440-02-0 Monograph 49, 1990; (Evaluated as a group); {1 (carcinogenic to humans)}

## 12 ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION

No data available for this product.

|                     |       |                           |                            |
|---------------------|-------|---------------------------|----------------------------|
| <b>MSDS Number</b>  | 15283 | <b>Product</b>            | V075340                    |
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**SARA 311/312 HAZARD CATEGORIES**

|                   |    |
|-------------------|----|
| Immediate Hazard  | No |
| Delayed Hazard    | No |
| Fire Hazard       | No |
| Pressure Hazard   | No |
| Reactivity Hazard | No |

**SARA 313 TOXIC CHEMICALS**

| Component | CAS Number | Percentage |
|-----------|------------|------------|
| NICKEL    | 7440-02-0  | 10 - 30    |

**16 OTHER INFORMATION****DISCLAIMER**

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik Findley, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

|                    |                   |                       |
|--------------------|-------------------|-----------------------|
| <b>Issue Date</b>  | 06-Nov-2001       | <b>Supersedes</b> New |
| <b>Prepared By</b> | Russell Hardenber |                       |