MATERIAL SAFETY DATA SHEET

BOSTIK FINDLEY

HAZARD RATINGS HMIS

Health 1

Flammability

Reactivity 0

PPE X

CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product

V067840

MSDS Name

NEV-SZ NICKEL NSN8

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	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

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

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

INGESTION: Ingestion may cause gastrointestinal tract discomfort or damage.

TARGET ORGANS

Skin.

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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 month 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/m3 TWA (inhalable fraction)

OSHA - Vacated PELs - Time Weighted Averages

NICKEL

7440-02-0

1 mg/m3 TWA

9 PHYSICAL & CHEMICAL PROPERTIES

Solubility In Water

0.1 %

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Target Solids

100 %

Density

1.3 g/cc

Odor Threshold

Octanol/Water Coefficient

NA NA

Odor

GREASELIKE

Color

GRAYISH BLACK

Physical State

Paste

Freeze Protect

Νφ

10 STABILITY & REACTIVITY

STABILITY/INCOMPATABILITY

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)

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

NIÇKEL

7440-02-0

Suspect Carcinogen; (under Nickel and Certain

Compounds); (NTP Ninth Report - Suspect Car Monograph 49, 1990; {IARC - Group 2B (Possib

carcinogenic to humans))

OSHA - Select Carcinogens

NICKEL

7440-02-0

Monograph 49, 1990; (Evaluated as a group); {I

1 (carcinogenic to humans)}

12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available for this product.

MSDS	Number
Label	Number

13 DISPOSAL CONSIDERATIONS

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

WASTE DISPOSAL

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Be aware that State and Local requirements may differ widely depending on location and may in many cases be different from Federal rules.

14 TRANSPORT INFORMATION

COMMENTS

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

Proper Shipping Name

Non-Regulated

DOT Restrictions

Not Applicable

15 REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

FEDERAL REGULATIONS

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

NICKEL

7440-02-0

CERCLA statutory RQ is 1 pound (0.454 kg); n being assigned to the generic or broad class

Based on an evaluation of the components used, this product does contain hazardous ingredients identified as per 29 CFR 1910.1200.

STATE REGULATIONS

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

California - Prop. 65 - Cancer list

NICKEL

7440-02-0 carcinogen; initial date 10/1/89

INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS). Class D Division 2 Sub-division B, and Class D Division A

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES

Not Regulated

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SARA 311/312 HAZARD CATEGORIES

Immediate Hazard

No

Delayed Hazard

No

Fire Hazard

No

Pressure Hazard

Νo

Reactivity Hazard

Nο

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.

Issue Date

06-Nov-2001

Supercedes New

Prepared By

Russell Hardenber

V067840