

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name

V068660

MSDS name

NEV-SZ NICKEL NSNL42B 42LB PL

CAS number

Manufacturer

Mixture

Product use

anti-seize compound

Generic description

anti-seize compound Bostik, Inc.

211 Boston Street

Middleton, MA 01949 USA

24 hour emergency assistance

Telephone: 1-800-227-0332

General assistance

Telephone: 1-978-777-0100

MSDS assistance

Telephone: 1-414-607-1407

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous component(s)	CAS#	Percent
Petroleum distillates, hydrotreated heavy naphthenic	64742-52-5	40 - 70
Nickel	7440-02-0	10 - 30
Aluminum	7429-90-5	1 - 5

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

This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this

product may cause irritation/dermatitis.

Eyes

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.

4. FIRST AID MEASURES

First aid

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.

Notes to physician

Treat symptomatically and supportively. Contact Bostik to determine whether any additional

information is available.

Medical conditions aggravated

by exposure

Dermatitis.

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5. FIRE FIGHTING MEASURES

Hazardous combustion

products

Hazardous gases produced in a fire may include oxides of nickel, carbon and nitrogen and

various hydrocarbons.

Extinguishing media

Use dry chemical, carbon dioxide, or foam, Water spray (fog). None Known

Dust explosion hazard Sensitivity to mechanical

None Known

impact

Sensitivity to static discharge

None Known

Unusual fire & explosion

Product may burn and produce toxic gases in a fire.

hazards

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

Reporting

Scrape up grease and deposit into appropriate containers for disposal.

See Federal reporting requirements listed in Section 15. We recommend you contact local

authorities to determine if there may be other local reporting requirements.

7. HANDLING & STORAGE

Storage

Store in a clean, dry area. Keep containers closed.

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

Wear safety glasses with side shields.

Skin and body protection

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

Not normally needed.

Exposure limits

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Aluminum

7429-90-5 10 mg/m3 TWA (metal dust)

Nickel **OSHA - Vacated PELs - TWAs**

7440-02-0 1.5 mg/m3 TWA (inhalable fraction)

Aluminum Nickel

7429-90-5 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) 7440-02-0 1 mg/m3 TWA

9. PHYSICAL & CHEMICAL PROPERTIES

Solubility (H2O)

< 0.1 100 %

Target solids

1.24 g/cc

Odor threshold

NA

Octanol/H2O coeff

NA

Odor Color

Density

Citrus Odor Gravish Black

Physical state

Paste

Freeze protect

No

VOC (Volatile Organic

0 lb/gal

Compounds)

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Material ID: 46058 Version #: 01 Revision date: 10-MAY-2006 Print date: 10-MAY-2006

10. STABILITY & REACTIVITY

Hazardous

If product is burned hazardous gases such as oxides of nickel, carbon and nitrogen and

various hydrocarbons may be produced.

products

Hazardous polymerization

reactions/decomposition

Will not occur.

Conditions to avoid

Avoid contact with Strong Oxidizers and Strong Acids.

Stability

Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Toxicological data

If any toxicological data is available, it will be listed below:

LD50

Toxicology Data - Selected LD50s and LC50s

7440-02-0 Oral LD50 Rat: >9000 mg/kg

Petroleum distillates, hydrotreated heavy naphthenic 64742-52-5 Inhalation LC50 Rat: 2.18 mg/L/4H; Oral LD50 Rat: >5000

mg/kg; Dermal LD50 Rabbit: >2000 mg/kg

Chronic effects

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

sensitization and dermatitis.

Carcinogenicity

If this product contains any carcinogens, they will be noted below:

IARC - Group 1 (Carcinogenic to Humans)

Nickel

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

IARC - Group 2B (Possibly Carcinogenic to Humans)

7440-02-0 Monograph 49, 1990

NTP (National Toxicology Program) - Report on Carcinogens - Known Carcinogens

7440-02-0 Known Carcinogen

NTP (National Toxicology Program) - Report on Carcinogens - Reasonably Anticipated to be Human Carcinogens

Nickel

7440-02-0 Reasonably Anticipated To Be A Carcinogen

OSHA - Hazard Communication Carcinogens

Nickel

7440-02-0 Present

12. ECOLOGICAL INFORMATION

VOC (Volatile Organic

Compounds)

0 lb/gal

Ecotoxicological information

No data available for this product.

13. DISPOSAL CONSIDERATIONS

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

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

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

ΙΔΤΔ

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

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

Material name: V068660

Federal regulations

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

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

7440-02-0 100 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches); 45.4 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal

released is equal to or exceeds 0.004 inches)

CERCLA/SARA - Section 313 - Emission Reporting

Nickel

7429-90-5 1.0 % de minimis concentration (dust or fume only)

7440-02-0 0.1 % de minimis concentration

State regulations

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

noted below:

California - Proposition 65 - Carcinogens List

Nickel

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

California - Proposition 65 - Developmental Toxicity

Lithium carbonate

554-13-2 developmental toxicity, initial date 1/1/91

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.

HMIS Ratings

Health: 2* Flammability: 1 Physical hazard: 0 Personal protection: X Immediate Hazard - Yes Delayed Hazard - Yes

SARA 311/312 HAZARD **CATEGORIES**

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

WHMIS status WHMIS labeling





WHMIS classification

D2A - Other Toxic Effects-VERY TOXIC D2B - Other Toxic Effects-TOXIC

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, 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

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Prepared by

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MSDS Material name: V068660