



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name	Never-Seez Pure Nickel Special
Product name(s) covered	See Section 16 for Product Names Covered.
MSDS name	Never-Seez Pure Nickel Special Series
CAS number	Mixture
Product use	Anti-Seize and Lubricating Compound
Manufacturer	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: 1-414-607-1347

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
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 mouth 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.

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).

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	475 °F (246.1 °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.
Reporting	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

Handling	Wear appropriate protective equipment to avoid contact with skin and eyes. See Section 8.
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. Special applications may necessitate the use of more stringent respiratory protection equipment. When dusts or thermal processing fumes are generated and ventilation is not sufficient to effectively remove them, appropriate NIOSH/MSHA approved respiratory protection must be provided.

Exposure limits

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

Aluminum	7429-90-5	<u>10 mg/m3 TWA (metal dust)</u>
Nickel	7440-02-0	<u>1.5 mg/m3 TWA (inhalable fraction)</u>

NIOSH - Pocket Guide - TWAs

Aluminum	7429-90-5	<u>10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)</u>
Nickel	7440-02-0	<u>0.015 mg/m3 TWA</u>

OSHA - Final PELs - Time Weighted Averages (TWAs)

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

OSHA - Vacated PELs - TWAs

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

9. PHYSICAL & CHEMICAL PROPERTIES

Target solids	100 %
Density	1.28 g/cc
Odor	Greaselike
Color	Gray / Black
Physical state	Paste
Freeze protect	No
VOC (Volatile Organic Compounds)	0 %

10. STABILITY & REACTIVITY

Hazardous reactions/decomposition products	If product is burned hazardous gases such as oxides of nickel, carbon and nitrogen and various hydrocarbons may be produced.
Hazardous polymerization	Will not occur.
Materials 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

Nickel 7440-02-0 Oral LD50 Rat: >9000 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)

Nickel 7440-02-0 Monograph 49 [1990], Supplement 7 [1987]

NIOSH - Pocket Guide - Potential Occupational Carcinogens

Nickel 7440-02-0 potential occupational carcinogen

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

Nickel 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

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.

IATA

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.

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

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Nickel 7440-02-0 100 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

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

All components are included on the Canadian Domestic Substances List (DSL).

HMIS Ratings

Health: 2*
Flammability: 1
Physical hazard: 0
Personal protection: X

SARA 311/312 HAZARD CATEGORIES

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

WHMIS status

Controlled

WHMIS labeling



WHMIS classification

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

16. OTHER INFORMATION

Product name(s) covered
V067340 - NEV-SZ NICKEL NSN165 1LB CAN
V067840 - NEV-SZ NICKEL NSN8 8LB CAN
V068650 - NEV-SZ NICKEL NSN42B 42LB PL
V068670 - NEV-SZ NICKEL NSN42BSTL 42LB
V069740 - NEV-SZ NICKEL NSBT8N 8OZ BT/C
V070040 - NEV-SZ NICKEL NSBT16N 1LB BT/C
V073950 - NEV-SZ NICKEL NSN130B 130LB DR
V074152 - NEV-SZ NICKEL NSN425B 425LB DR
V166052 - NEV-SZ NICKEL NSN425B W/LINER
V332831 - NEV-SZ NICKEL 7.5GR PP

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.

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Prepared by

Pam Larsen

Supersedes

12-OCT-06

