



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name	Never-Seez Marine Grade
Product name(s) covered	See Section 16 for Product Names Covered.
MSDS name	Never-Seez Marine Grade Series
CAS number	Mixture
Generic description	Miscellaneous
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
Copper Powder	7440-50-8	7 - 13
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.
Target organs	Skin.

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

Extinguishing media	Use dry chemical, carbon dioxide, or foam. Water spray (fog).
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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	437 °F (225 °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>
Copper Powder	7440-50-8	<u>0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist, as Cu)</u>

NIOSH - Pocket Guide - TWAs

Aluminum	7429-90-5	<u>10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)</u>
Copper Powder	7440-50-8	<u>1 mg/m3 TWA (dust and mist)</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>
Copper Powder	7440-50-8	<u>0.1 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist)</u>

OSHA - Vacated PELs - TWAs

Aluminum	7429-90-5	<u>15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)</u>
Copper Powder	7440-50-8	<u>0.1 mg/m3 TWA (fume, dusts, mists as Cu)</u>

9. PHYSICAL & CHEMICAL PROPERTIES

Density	1.28 g/cc
Odor	Greaselike
Physical state	Paste
Freeze protect	No

10. STABILITY & REACTIVITY

Hazardous reactions/decomposition products	If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.
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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:
Chronic effects Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.
Carcinogenicity If this product contains any carcinogens, they will be noted below:

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.

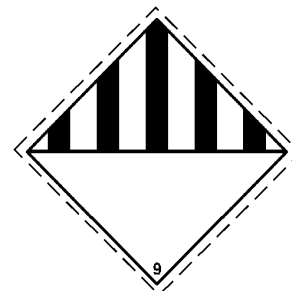
IATA

Not regulated as dangerous goods.

IMDG

Basic shipping requirements:

Proper shipping name Environmentally Hazardous Substances, Liquid, N.O.S. (COPPER)
Hazard class 9
UN number UN3082
Packing group III
Marine pollutant Marine Pollutant



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

Copper Powder 7440-50-8 5000 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); 2270 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)
Copper Powder 7440-50-8 1.0 % de minimis concentration

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

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: 1*
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
Controlled

WHMIS status

WHMIS labeling



WHMIS classification

D2B - Other Toxic Effects-TOXIC

16. OTHER INFORMATION

Product name(s) covered

V146301 - NEV-SZ MARINE GRADE NM-160
V146307 - NEV-SZ MARINE GRADE 7.5GR PI
V146308 - NEV-SZ MARINE GRADE NM-8
V146316 - NEV-SZ MARINE GRADE NMBT-16
V146342 - NEV-SZ MARINE GRADE NM-42B
V146354 - NEV-SZ MARINE GRADE NM-425B
V146380 - NEV-SZ MARINE GRADE NMBT-8

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

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Supersedes

05/17/2006

MSDS sections updated

Hazards Identification: Potential Health Effects, Skin
Handling & Storage: Handling
Handling & Storage: Storage
Exposure Controls / Personal Protection: Respiratory Protection
Stability & Reactivity: Materials To Avoid
Other Information: Disclaimer