



<b>Dust explosion hazard</b>	None Known
<b>Sensitivity to mechanical impact</b>	None Known
<b>Sensitivity to static discharge</b>	None Known
<b>Unusual fire &amp; explosion hazards</b>	Product may burn and produce toxic gases in a fire.
<b>Fire fighting equipment/instructions</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Flash point</b>	475 °F (246.1 °C)

## 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency action</b>	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.
<b>Spill or leak procedure</b>	Scrape up grease and deposit into appropriate containers for disposal.
<b>Reporting</b>	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

<b>Handling</b>	Wear appropriate protective equipment to avoid contact with skin and eyes. See Section 8.
<b>Storage</b>	Store in a clean, dry area. Keep containers closed.
<b>Empty container precaution</b>	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

<b>Engineering controls</b>	Ventilation is not normally required.
<b>Eye protection</b>	Wear safety glasses with side shields.
<b>Skin and body protection</b>	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.
<b>Respiratory protection</b>	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

<b>Target solids</b>	100 %
<b>Density</b>	1.19 g/cc
<b>Odor</b>	Greaselike
<b>Color</b>	Silver - Gray
<b>Physical state</b>	Paste
<b>Freeze protect</b>	No

## 10. STABILITY & REACTIVITY

<b>Hazardous reactions/decomposition products</b>	If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.
<b>Hazardous polymerization</b>	Will not occur.
<b>Materials to avoid</b>	Avoid contact with Strong Oxidizers and Strong Acids.
<b>Stability</b>	Stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological data</b>	If any toxicological data is available, it will be listed below:
<b>Chronic effects</b>	Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.
<b>Carcinogenicity</b>	If this product contains any carcinogens, they will be noted below:

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicological information</b>	No data available for this product.
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## 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.

<b>Waste disposal</b>	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.
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## 14. TRANSPORT INFORMATION

### Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

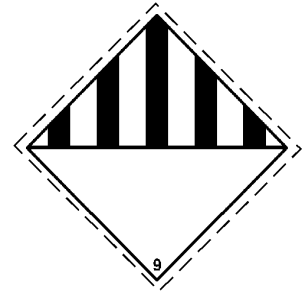
### IATA

Not regulated as dangerous goods.

### IMDG

#### Basic shipping requirements:

<b>Proper shipping name</b>	Environmentally Hazardous Substances, Liquid, N.O.S., (COPPER)
<b>Hazard class</b>	9
<b>UN number</b>	UN3082
<b>Packing group</b>	III
<b>Marine pollutant</b>	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	<u>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)</u>
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#### CERCLA/SARA - Section 313 - Emission Reporting

Aluminum	7429-90-5	<u>1.0 % de minimis concentration (dust or fume only)</u>
Copper Powder	7440-50-8	<u>1.0 % de minimis concentration</u>

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

**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: 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

**WHMIS status**

Controlled

**WHMIS labeling**



**WHMIS classification**

D2B - Other Toxic Effects-TOXIC

## 16. OTHER INFORMATION

**Product name(s) covered**

V047740 - NEV-SZ REG NS40 24/ 1/4LB CAN  
V048740 - NEV-SZ REG NS160 12/1LB CAN  
V052440 - NEV-SZ REG NS168 12/ 8LB CAN  
V054350 - NEV-SZ REG NS42B 42LB PL  
V056440 - NEV-SZ REG NSB16 12/1LB BT CAN  
V057640 - NEV-SZ REG NSBT8 8OZ BT CAN  
V057740 - NEV-SZ REG NSBT16 1LB BT CAN  
V057840 - NEV-SZ REG NSC1 1LB CTG  
V057940 - NEV-SZ REG NS10 150/1OZ TUBE  
V058240 - NEV-SZ REG NSB4 1/4LB TUBE  
V058650 - NEV-SZ REG NS130B 130LB DR  
V059052 - NEV-SZ REG NS425B 425LB DR  
V166252 - NEV-SZ REG NS425B W/LINER  
V332731 - NEV-SZ REG 7.5GR PP  
V435703 - NEV-SZ REG NSBT4 STD LBL

**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**

01-MAR-07

**Prepared by**

Pam Larsen

**Supersedes**

11-DEC-06

**MSDS sections updated**

Regulatory Information: International Regulations