1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product: V057640  
MSDS Name: NEV-SZ REG NSBT8   8  
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  
--- | --- | ---  
Graphite | 7782-42-5 | 10 - 30  
Copper Powder | 7440-50-8 | 5 - 10  
Zinc Oxide | 1314-13-2 | 1 - 3  
Aluminum Powder | 7429-90-5 | 1 - 3  
Non-hazardous and other ingredients below reportable levels | 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.  
EYE CONTACT: 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

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.

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
Keep the container tightly closed and in a cool, well-ventilated place.

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 - Occupational Exposure Limits - 8 Hour TWAs
COPPER 7440-50-8 0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dusts and mists, as Cu)
ZINC OXIDE 1314-13-2 5 mg/m3 TWA (fume); 10 mg/m3 TWA (dust)

OSHA - Vacated PELs - Time Weighted Averages
COPPER 7440-50-8 0.1 mg/m3 TWA (fume, dusts, mists as Cu)
ZINC OXIDE 1314-13-2 5 mg/m3 TWA (fume); 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
9 PHYSICAL & CHEMICAL PROPERTIES

Solubility In Water 0.1 %
Target Solids 100 %
Density 1.21 g/cc
Odor Threshold NA
Octanol/Water Coefficient NA
Odor GREASELIKE
Color SILVERY GRAY
Physical State Paste
Freeze Protect No

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

LD50
NIOSH - Selected LD50s and LC50s
ZINC OXIDE 1314-13-2 Inhalation LC50 Mouse: 2500 mg/m3; Oral LD50 Mouse: 7950 mg/kg

CHRONIC EFFECTS
Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.

12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No data available for this product.

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. This product is regulated under IMDG Classification for Ocean Transport as an environmentally hazardous substance, liquid, n.o.s. (contains copper metal powder), class 9, UN3082, PG III, Marine Pollutant.

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
COPPER 7440-50-8 final RQ = 5000 pounds (2270 kg) (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)
ZINC OXIDE 1314-13-2 statutory RQ = 1 pound (0.454 kg)

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:

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.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES
Not Regulated

SARA 311/312 HAZARD CATEGORIES
Immediate Hazard  No
Delayed Hazard  No
Fire Hazard  No
Pressure Hazard  No
Reactivity Hazard  No
SARA 313 TOXIC CHEMICALS

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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       10-Jul-2002  Supercedes 02-Apr-2002
Prepared By      Russell Hardenber

MSDS Sections Reviewed and/or Updated
Composition / Information on Ingredients: COMPOSITION COMMENTS
Composition / Information on Ingredients: CONDITIONAL DEFAULT STATEMENTS