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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: POWER BEAD ULTRA COPPER MAXIMUM TEMPERATURE RTV 9.5 OZ AE
Item No: 85088
Product Type: Silicone (Barrier Pack)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH TLV: TWA	OSHA PEL:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	>50	Not listed	Not Listed
POLYDIMETHYLSILOXANE 63148-62-9	15-25	Not listed	Not Listed
MODIFIED SILICON DIOXIDE 68611-44-9	1-10	Not listed	Not Listed
VINYL OXIMINOSILANE 2224-33-1	1-10	Not listed	Not Listed
IRON OXIDE 1309-37-1	1-10	5 mg/m ³ TWA (dust and fume, as Fe)	10 mg/m ³ TWA
SILICA, MICA 12001-26-2	1-10	3 mg/m ³ TWA	20 mppcf TWA
NITROGEN 7727-37-9	****	Asphyxiant	Not Listed
2-BUTANONE OXIME 96-29-7	****	Not listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May be harmful if swallowed. ****When this product if exposed to moisture, butanone oxime may be formed. Note: This product does not contain microcrystalline silica.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: ****Butanone oxime produced during curing is toxic and irritates eyes, nose and throat. Overexposure to the silane may cause coma and respiratory failure.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
IRON OXIDE 1309-37-1	1-10		A4 - Not Classifiable	Group 3, Supplement 7 1987; Monograph 1 1972

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water several times. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin Contact: Wipe off paste with paper towel or cloth. Wash exposed area with soap and water. Seek medical attention if irritation persists..

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): >200°F TCC

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

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5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures:

***Warning: This container is pressurized with nitrogen. Do not remove rubber plug. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers.

Hazardous Products of Combustion:

Silica fume, Formaldehyde, Oxides of carbon, Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime

Unusual Fire/Explosion Hazards:

Contents under pressure. Heated cans may burst. Use equipment or shielding to protect personnel from bursting containers.

Lower Explosive Limit:

Not determined

Upper Explosive Limit:

Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage:

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Exposure to high temperatures may cause container to burst.

Handling:

Avoid contact with skin and eyes. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:

Safety glasses. Do NOT wear contact lenses .

Skin:

Rubber or plastic gloves.

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection:

Not normally necessary. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

Comments:

When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Copper-colored paste

Odor:

MILD

Boiling Point:

Not applicable, polymeric material

pH:

7-8

Solubility in Water:

Polymerized

Specific Gravity:

1.05

VOC Content(Wt.%):

7.8%

Vapor Pressure:

<5 mm Hg @ 70°F

Vapor Density (Air=1):

>1

Evaporation Rate:

<1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at normal conditions

Hazardous Polymerization:

Will not occur.

Incompatibilities:

Strong oxidizers, Polymerized by contact with moisture., Acids, Iron

Conditions to Avoid:

Moisture while storing. Do not expose to heat or store at temperatures above 120 F.

Hazardous Products of Combustion:

Silica fume, Formaldehyde, Oxides of carbon, Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

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13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: D003 - (Can under pressure) Hazardous waste per 40CFR 261.23(6)

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Consumer Commodity (not more than one liter)
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG

Proper Shipping: Aerosols, Limited Quantity
Hazard Class: Class 2.2
UN Number: UN 1950

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 1.

Estimated HMIS Classification: HEALTH 2, FLAMMABILILTY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Telephone No.: 1-87-Permatex (877) 376-2839