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Manufacturer's CAGE: 1P573



# Material Safety Data Sheet

[SPI #01307-AB, 01308-AB, 01309-AB, 01310-AB, 01311-AB, 01312-AB, 01313-AB, 01314-AB, 01315-AB, 01316-AB, 01317-AB, 01318-AB, 01319-AB, 01320-AB, 01322-AB, 01323-AB, 01325-AB, 01326-AB, 01327-AB, 01328-AB, 01329-AB](#) Diamond Compound and Diamond Slurries

## Section 1: Identification

Date Effective..... January 8, 2009  
(most recent revision)

Chemical Name/Synonyms... Diamond suspension

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-527-3887

Worldwide FAX: 1-(703)-741-6090

Toll-free phone: 1-(800)-424-9300 USA only

Product or Trade Name.... SPI #01307-AB to #01329-AB  
Diamond Compound & Diamond Slurries

CAS #..... 32993-45-6

Concentration:

Diethanolamine..... Less than 0.1 wt %

Ethylene oxide..... Less than 0.1 wt %

Alkoxylated alkanolamide... Less than 0.1 wt %



## Section 2 Composition

The SPI Supplies diamond compounds and slurries as suspensions of fine diamond particles in water with trace amounts of proprietary surfactants.

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## Section 3: Hazard Identification

### Emergency Overview:

Inhalation of vapor or mist generated from this material may irritate respiratory passages. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

### Potential Health Effects:

#### Likely routes of exposure:

Skin and eye contact, inhalation of mist/vapor

Occupational exposure to this material has not been reported to cause significant adverse health effects.

On the basis of available information, exposure to the SPI Supplies diamond compounds or slurries is not expected to produce significant adverse human health effects when recommended safety precautions are followed.

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## Section 4: First Aid Measures

### Eye Contact:

Wash eyes thorough with clean low-pressure water.  
If irritation persists, contact physician.

### Skin Contact:

Wash thorough with soap and water and remove contaminated clothing.

### Inhalation:

Move to fresh air, give artificial respiration if necessary; contact physician if symptoms occur.

### Ingestion:

If swallowed, a physician or Poison Control Center can be contacted for advice.

## Section 5: Fire Fighting Measures

Flash point: > 200°C (392°F)      Method: Pensky-Martens Closed Cup

**Extinguishing media:**

In case of fire, use carbon dioxide, water spray (fog), dry chemical, foam; water can be used to cool fire exposed surrounding containers. Realistically, the small size of the SPI Supplies product containers would render any hazard from these materials to be small compared to the hazards of the surrounding containers of other materials.

**Fire Fighting Measures:**

Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus and protective clothing. Equipment should be thoroughly decontaminated after use. Realistically, the small size of the SPI Supplies product containers would render any hazard from these materials to be small compared to the hazards of the surrounding containers of other materials.

**Unusual Fire and Explosion Hazards:** None known

**Hazardous Decomposition Products:** Not known

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## Section 6: Accidental Release Measures

In the event of a spill, wipe/scrape up spilled slurry or compound and place the material into an appropriate container for reclamation or proper disposal.

Refer to Section 13 for disposal information and to Section 15 for reportable quantity information.

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## Section 7: Handling and Storage

Emptied containers retain product residues. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

Storage: Product is stable under normal conditions or storage and handling.

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## Section 8: Exposure Controls and Personal Protection

### Component Exposure Limits

Eye Protection: Wear protective eye glasses or safety goggles. Use good industrial practice to avoid eye contact.

Skin Protection: Although it does not present a significant skin concern, minimize skin contaminated by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thorough after handling.

Respiratory Protection: Avoid breathing the mist of this material. Use NIOSH/MSHA approved respiratory protection equipment when potential airborne exposure exists. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

Ventilation: Provide natural or mechanical ventilation to minimize exposure.

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## Section 9: Physical and Chemical Properties

Appearance: Clear gel like material

Physical State: Opaque white liquid or viscous paste

Color: White

Odor: Mild odor

Specific Gravity @ 25°C: 1.1

Viscosity: Not available

Freezing/Melting Point: Not determined

Boiling point: 100°C (212°F)

Drop point: Not known

pH: Neutral

Vapor Pressure: Less than 0.1 atm @ 25°C

Evaporation Rate @ 25°C: 0.01 (n-butyl acetate = 1)

Oil Separation: Not known

Note: The above information is not intended for the preparation of product specifications. This information represents typical values based on material tested but may vary from lot to lot. Typical values should not be construed as a guaranteed or certified analysis of any specific lot or as specifications for this product.

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## Section 10: Stability and Reactivity

Stability: Product is stable under normal laboratory use, storage and handling conditions.

Materials to avoid: Strong alkali or strong oxidizing agents

Hazardous Decomposition Products: Nitrous oxides and ammoniacal vapors

Hazardous Polymerization: Does not occur.

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## Section 11: Toxicological Information

No data has been taken.

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## Section 12: Ecological Information

Environmental Fate and Distribution: When used and/or disposed of as indicated, no adverse environmental effects are foreseen.

Environmental Effects and Mobility: Not known.

Degradability: Not known

Fate and Effects in Waste Water Treatment Plants:  
No specific information available.

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## Section 13: Disposal Considerations

Contact a licensed waste disposal contractor for disposal recommendations. Waste product may also be classified as waste oil under state and federal regulations. Any discarded product, whether "hazardous waste" or not, should be incinerated in accordance with all local, state or federal laws and regulations.

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## Section 14: Transport Information

Not classified as hazardous for transport by air, sea, or road.

DOT Road Shipment Information (49 CFR 172.101)  
Not subject to DOT regulation.

Ocean Shipment (IMDG): Not subject to IMDG code.

Air Shipment (ICAO): Not subject to ICAO regulations.

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## Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are listed or exempted from listing on the TSCA Inventory of Chemical Substances.

## EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: None

Section 304 CERCLA Hazardous Substances: None

Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

Section 313 Toxic Chemicals: Diethanolamine in trace amounts

Supplemental State Compliance Information:

California (USA) Proposition 65 requires manufacturers or distributors of consumer products into the State of California to provide a warning statement if the product contains ingredients for which the State has found to cause cancer, birth defects or other reproductive harm. If this product contains an ingredient listed by the State of California to cause cancer or reproductive toxicity, it will be listed below:

No such components in this product.

CERCLA Reportable Quantity: Not applicable

OSHA Air Containment (29 CFR 1910.1000): Oil mist in air if material is heated above 250°C (482°F). Airborne concentration limit is 5 mg/m<sup>3</sup>.

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## Section 16: Other Information

### Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues or fluids.

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