



SAFETY DATA SHEET

Section 1 – Identification

Product Identifier: PowerKote CBC-1

Part Number: CBC-1

Recommended Use: Combustion Chamber
Thermal Barrier Coating

Restrictions on Use:

Manufacturer / Supplier:

Tech Line Coatings, Inc
PO Box 668, 10840 Chapman Hwy, Seymour, TN
37865
USA
Phone/Fax 1-865-773-0599
www.techlinecoatings.com

**Keep out of reach of children.
Avoid contact with skin and eyes.
Avoid breathing vapors or mist.**

**Emergency Phone: N.America +1-800-535-5053
Intl. +1-352-323-3500**

Section 2 – Hazards Identification

Classification:

Signal Word: Warning

Symbols: **Precautionary Statements:**



May cause an allergic skin reaction
May cause respiratory irritation

Spills are slippery. Reacts with acids, ammonium salts, reactive metals and some organics.

Section 3 – Composition / Information On Ingredients

| Component | CAS# | % of Weight |
|-------------------------|-----------|-------------|
| Silic Acid | 1312-76-1 | 20 to 90% |
| Chromium (in filler #2) | 7440-47-3 | < 0.1% |
| Nickel (in filler #2) | 7440-47-0 | < 0.1% |

Components not listed above are non-hazardous.

Section 4 – First Aid Measures

After EYE Contact:

- Immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists.

After SKIN Contact:

- Remove contaminated clothing without delay. Flush skin thoroughly with water. Do not reuse clothing without laundering.

After INHALATION:

- Administer oxygen if there is difficulty in breathing. Obtain medical attention immediately if necessary.

After SWALLOWING:

- Call a physician immediately, ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Section 5 – Fire Fighting Measures

| | | | |
|---|-----------------------------------|---|----------------------------------|
| Flash Point: Not Flammable | Flammable Limits LEL-: N/A | Flammable Limits UEL-: N/A | Stability: See Section 10 |
| Extinguishing Media: This material is compatible with all extinguishing media. | | Special fire fighting procedures: use full protective equipment, including self contained breathing apparatus. | |
| Unusual Fire And Explosion Hazards: None | | Specific Hazards Arising from the Chemical: | |

Section 6 – Accidental Release Measures

Methods for Containment and Clean Up

- Soak up with inert absorbent material.
- Keep in suitable, marked and closed containers for disposal.
- Warn other workers of spill.
- Wear protective equipment
 - NIOSH Approved Respirator
 - Gloves
 - Safety Glasses
- Do not allow material to be released into the environment.

Additional Information:

- See Section 7 for safe handling information.
- See Section 8 for PPE information
- See Section 13 for disposal information

Section 7

Handling And Storage

Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Promptly clean residue from closures with cloth dampened with water. Promptly clean up spills.

Storage:

Keep containers closed. Store in clean steel or plastic containers. Separate from acids, reactive metals, and ammonium salts. Storage temperature 10-50° C. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

| Component | ACGIH TLV | OSHA PEL | |
|--------------------------|-----------|-----------|--|
| Chromium (in filler #2) | 0.5 mg/m3 | 0.1 mg/m3 | |
| Nickel (in filler #2) | 1 mg.m3 | 1 mg.m3 | |

Engineering Controls:

Showers
Eyewash stations

Respiratory Protection:

Use a NIOSH-approved dust and mist respirator where spray mist occurs. Observe OSHA regulations for respirator use (29 C.F.R.§1910.134)

Protective Gloves:

CHEMICAL RESISTANT

Eye Protection:

SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES

Other Protective Equipment:

WEAR PROTECTIVE CLOTHING, CHEMICAL RESISTANT OR OTHER PROTECTIVE OUTERWEAR, AVOID CONTACT WITH SKIN OR EYES

Ventilation:

Recommended

Work / Hygienic Practices:

wash thoroughly after handling product and before eating, drinking or smoking

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Color : Tan
Odor : Odorless
Melting point/range : N/E
Initial boiling point : N/E
Flash point : Not Flammable

pH : Not Established
Vapor Density (Air = 1): > 1
Vapor pressure : N/E
Specific Gravity: 1.3
Water solubility : Appreciable
Viscosity: N/E
Total VOC: 0

SECTION 10

STABILITY AND REACTIVITY

Stability: STABLE

Incompatibility (Materials to Avoid): Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.

Hazardous Decomposition Products: Hydrogen, and other toxic and/or hazardous gases.

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid:

SECTION 11

TOXICOLOGICAL INFORMATION

Effects on Eyes: mild irritation to the eyes
Effects on Skin: slightly irritating to the skin
Effects from Inhalation: May cause respiratory irritation
Effects from Swallowing: digestive tract irritation

SECTION 12

ECOLOGICAL INFORMATION

General Comments: Do not allow material to be released into the environment without proper governmental permits

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Disposal should be made in accordance with federal, state and local regulations. Recovered non-usable material is a RCRA hazardous waste. Treatment, storage, transportation and disposal must be in accordance with EPA and State regulation under the authority of the Resource Conservation and Recovery Act (RCRA) 40 CFR parts 260-271. A competent and properly permitted contractor should do appropriate disposal.

SECTION 14

TRANSPORTATION INFORMATION

Hazardous for Shipping: No

SECTION 15

REGULATIONS

Information about Limitation or Use:

Other Regulations, Limitations, and Prohibitive Regulations:

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710: All ingredients are on the TSCA Chemical Substance Inventory.

SECTION 16

OTHER INFORMATION

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