

# OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

**Regd Office:** Unit no 12, 1st Floor,  
Neminath Industrial Estate No.6,  
Navghar, Vasai (East), Palghar - 410210.  
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## MATERIAL SAFETY DATA SHEET

### CARBORUNDUM POWDER

(16/240 Grit) (Silicon Carbide)

MSDS CAS: 409-21-2

## Section 1: Chemical Product and Company Identification

### Section 1: Chemical Product

**Product Name:** CARBORUNDUM POWDER

**CAS#:** 409-21-2

**Synonym:** Crystolon Black Silicon Carbide; Boiling Chips, Silicon Carbide

**Chemical Name:** Silicon Carbide.

**Chemical Formula:** SiC

**Brand :** OXFORD

### Details Of The Supplier Of The Safety Data Sheet :

**Company identification:** OXFORD LAB FINE CHEM LLP  
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,  
Navghar, Vasai (East). Palghar - 401 210.  
Mumbai, Maharashtra, INDIA.  
Tel: 91-250-2390989  
Tel/Fax: 91-250-2390032

## Section 2: Composition and Information on Ingredients

### Composition:

Name	CAS #	% by Weight
Boiling chips	409-21-2	100

## Section 2: Composition and Information on Ingredients (Continued)

**Toxicological Data on Ingredients:** Boiling chips LD50: Not available. LC50: Not available.

## Section 3: Hazards Identification

### **Potential Acute Health Effects:**

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

### **Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** A4 (Not classifiable for human or animal.) by ACGIH.

**MUTAGENIC EFFECTS:** Not available.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Not available.

Repeated or prolonged exposure is not known to aggravate medical condition.

## Section 4: First Aid Measures

### **Eye Contact:**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### **Skin Contact:**

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

### **Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

### **Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## Section 4: First Aid Measures (Continued)

**Serious Inhalation:** Not available.

**Ingestion:**

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosion Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** Not available.

**Flash Points:** Not available.

**Flammable Limits:** Not available.

**Products of Combustion:** Some metallic oxides.

**Fire Hazards in Presence of Various Substances:**

Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

**Fire Fighting Media and Instructions:**

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Submicron materials can ignite.

**Special Remarks on Explosion Hazards:** Not available.

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## Section 6: Accidental Release Measures

### Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

### Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

## Section 7: Handling and Storage

### Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

### Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 24°C (75.2°F).

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

## Section 8: Exposure Controls/Personal Protection (Continued)

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Exposure Limits:

TWA: 10 (mg/m<sup>3</sup>) from ACGIH (TLV) [United States] Inhalation Total. TWA: 10 (mg/m<sup>3</sup>) from NIOSH [United States] Inhalation Total. TWA: 5 (mg/m<sup>3</sup>) from NIOSH [United States] Inhalation Respirable. TWA: 15 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Total. TWA: 5 (mg/m<sup>3</sup>) from OSHA (PEL) [United States] Inhalation Respirable. TWA: 10 (mg/m<sup>3</sup>) [United Kingdom (UK)] Inhalation Total. TWA: 4 (mg/m<sup>3</sup>) [United Kingdom (UK)] Inhalation Respirable.<sup>3</sup> Consult local authorities for acceptable exposure limits.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid. (Crystalline solid.)

<b>Odor</b>	: Odorless.
<b>Taste</b>	: Not available.
<b>Molecular Weight</b>	: 40.1 g/mole
<b>Color</b>	: Bluish-black.
<b>pH (1% soln/water)</b>	: Not available.
<b>Boiling Point</b>	: 3350°C (6062°F)
<b>Melting Point</b>	: Sublimation temperature: 2700°C (4892°F)
<b>Critical Temperature</b>	: Not available.
<b>Specific Gravity</b>	: 3.2 (Water = 1)
<b>Vapor Pressure</b>	: Not available.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: Not available.
<b>Odor Threshold</b>	: Not available.
<b>Water/Oil Dist. Coeff.</b>	: Not available.
<b>Ionicity (in Water)</b>	: Not available.
<b>Dispersion Properties</b>	: Not available.
<b>Solubility</b>	: Insoluble in cold water, hot water.

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## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat.

**Incompatibility with various substances:** Not available.

**Corrosivity:** Not considered to be corrosive for metals and glass.

**Special Remarks on Reactivity:** Inert

**Special Remarks on Corrosivity:** Not available.

**Polymerization:** Will not occur.

## Section 11: Toxicological Information

**Routes of Entry:** Inhalation. Ingestion.

**Toxicity to Animals:** LD50: Not available. LC50: Not available.

**Chronic Effects on Humans:**

**CARCINOGENIC EFFECTS:** A4 (Not classifiable for human or animal.) by ACGIH.

**Other Toxic Effects on Humans:**

Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals:** Not available.

**Special Remarks on Chronic Effects on Humans:** Not available.

**Special Remarks on other Toxic Effects on Humans:**

**Nuisance dust. Acute Potential Health Effects:** Skin: May cause irritation by mechanical action (abrasive).

**Eyes:** Dust may irritate eyes **Inhalation:** May cause respiratory tract irritation with coughing, and shortness of breath. **Ingestion:** No known adverse effects, but ingestion is not recommended. **Chronic Potential Health Effects:** Inhalation: May affect breathing capacity.

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## Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:**

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

## Section 13: Disposal Considerations

**Waste Disposal :**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## Section 14: Transport Information

**Land transport (ADR-RID)**

**General information :** Not regulated.

**Sea transport (IMDG) [English only]**

**General information :** Not regulated.

**Air transport (ICAO-IATA) [English only]**

**General information :** Not regulated.

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## Section 15: Other Regulatory Information

### Federal and State Regulations:

**Illinois toxic substances disclosure to employee act: Boiling chips Rhode Island RTK hazardous substances: Boiling chips Pennsylvania RTK: Boiling chips Minnesota: Boiling chips Massachusetts RTK: Boiling chips New Jersey: Boiling chips TSCA 8(b) inventory: Boiling chips.**

### Other Regulations:

**EINECS:** This product is on the European Inventory of Existing Commercial Chemical Substances.

### Other Classifications:

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSCL (EEC):** R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.

### HMIS (U.S.A.):

**Health Hazard: 2**

**Fire Hazard: 1**

**Reactivity: 0**

**Personal Protection: E**

### National Fire Protection Association (U.S.A.):

**Health: 2**

**Flammability: 1**

**Reactivity: 0**

**Specific hazard:**

### Protective Equipment:

**Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.**

## Section 16 - Additional Information

**References:** Not available.

**Other Special Considerations:** Not available.



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