



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. CC 185  
Effective Date February 3, 1999

## SECTION V HEALTH HAZARD DATA

CC 185

### Threshold Limited Value

TWA: 10 mg/m<sup>3</sup> (ACGIH 1992-93). RTECS No. VW0450000

### Effects of Overexposure

**INHALATION:** May be harmful if inhaled. Prolonged inhalation of the dust can cause fibrosis of the lung (silicosis) which may lead to pulmonary hypertension and corpulmonale. Increases susceptibility to tuberculosis. Exercise appropriate procedures to minimize potential hazards.

### Emergency and First Aid Procedures

**INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	None known.
	Stable	X		

Incompatibility (Materials to Avoid)	None known.
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Hazardous Decomposition Products	None known.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

## SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Sweep up and place in a suitable container for re-use or disposal. Wash spill area with soap and water.
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### Waste Disposal Method

Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Uncontaminated material may be disposed of in a sanitary landfill.

## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in a ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.
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Ventilation	Local Exhaust	Yes.	Special	No.
	Mechanical (General)	Yes, if dusty.	Other	Adequate to maintain below exposure limit.

Protective Gloves	Recommended.	Eye Protection	Chemical safety glasses.
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Other Protective Equipment	Goggles, smock, apron, eye wash station, ventilation hood.
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## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a dry place. Wash thoroughly after handling.
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### Other Precautions

Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid dust dispersion in air.  
Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision No. 5	Date 2/3/99	Approved Michael Raszeja	Chemical Safety Coordinator	MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	CARBORUNDUM	 CHEMTREC 800-424-9300 Day 716-226-6177 NFPA HAZARD RATING LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 HMIS * 3 4
Chemical Synonyms	Silicon Carbide	
Formula	SiC	
Unit Size	Up to 2.5 Kg	
C.A.S. No.	409-21-2	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
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Carborundum	>99%	None established.
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CAUTION! HARMFUL AS DUST.		
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DO NOT BREATHE DUST.		
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## SECTION III PHYSICAL DATA

Melting Point (°F)	Sublimes 2700°C (4892°F)	Specific Gravity (H <sub>2</sub> O = 1)	3.17
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Boiling Point (°F)	Sublimes 2200°C (3992°F)	Percent Volatile by Volume (%)	Non-volatile.
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Vapor Pressure (mm Hg)	Not applicable.	Evaporation Rate ( =1)	Not applicable.
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Vapor Density (Air=1)	Not applicable.		
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Solubility in Water	Insoluble.		
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Appearance & Odor	Hard, bluish-black powder or crystal; no odor.		
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## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-combustible.	Flammable Limits in Air % by Volume	N/A	Lower	Upper
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Extinguisher Media	Use any media suitable for extinguishing supporting fire.
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### SPECIAL FIREFIGHTING PROCEDURES

This material is not combustible, nor will it support combustion. In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and full protective clothing.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

None known.

D.O.T.	NON-REGULATED.
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Approved by U.S. Department of Labor "essentially similar" to form OSHA-20