



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. CC 250  
Effective Date January 29, 1999

## SECTION V HEALTH HAZARD DATA

CC 250

### Threshold Limited Value

RTECS No. FF5250100  
Toxicity data: ivn-mus LD50: 440 mg/kg.

### Effects of Overexposure

May be harmful if inhaled. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract.

### Emergency and First Aid Procedures

**EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.  
**INHALATION:** Remove to fresh air. If ill effects develop, get medical attention.  
**SKIN:** Flush thoroughly with water, then wash with mild soap and water.  
**INGESTION:** If swallowed, if conscious, give one or two glasses of water to drink. If gastrointestinal symptoms develop, call physician. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X

Stable under normal and fire conditions.

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.
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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	Recover for use if not contaminated. Sweep up and place in a suitable container. Avoid raising dust. 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.  Dispose of in an approved incinerator or uncontaminated material may be disposed of in a sanitary landfill.
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## SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling. If dusty conditions prevail, work in a fume hood or wear a NIOSH/MSHA-approved dust mask or respirator.		
Ventilation	Local Exhaust	Recommended.	Special
	Mechanical (General)	Recommended.	Other
Protective Gloves	None required.		Eye Protection
Other Protective Equipment	Safety glasses, smock, apron, fire extinguisher, and eye wash station.		

## SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from fire hazards. 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.
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Avoid contact with skin, eyes and clothing. Do not breathe dust. Use with adequate ventilation. Remove and wash contaminated clothing.

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

Revision	No. 4	Date	1/29/99	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	CHARCOAL, ACTIVATED
Chemical Synonyms	Activated Carbon; Hydro-Darco-4
Formula	C
Unit Size	up to 2.5 Kg.
C.A.S. No.	7440-44-0

**CHEMTREC**  
800-424-9300  
Day 716-226-6177

**NFPA HAZARD RATING**  
LEAST SLIGHT MODERATE HIGH EXTREME  
0 1 2 3 4

**HMIS \***  
Health 0  
Fire 2  
Reactivity 0

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Activated Carbon	100%	None established.
<b>WARNING! FLAMMABLE! AVOID INHALATION</b>		
<b>OF EXCESSIVE CARBON DUST.</b>		

## SECTION III PHYSICAL DATA

Melting Point (°F)	3652-3697°C (6606-6687°F)	Specific Gravity (H <sub>2</sub> O = 1)	1.8-2.1
Boiling Point (°F)	Decomposes (NA).	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( )	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	Black powder; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Combustible (data not listed).	Flammable Limits in Air % by Volume	NA	Lower	Upper
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Extinguisher Media	Water fog; foam; carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC). Avoid methods which may stir up dust clouds.				

### SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH/MSHA-approved, self-contained breathing apparatus and protective clothing.

(1996 EMERGENCY RESPONSE GUIDEBOOK, DOT P 5800.7, GUIDE PAGE NO. 133)

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Airborne dust. Weak explosion hazard. Minimum ignition temperature: 400°C. Minimum explosion concentration: 2 ounces per cubic foot by flame from burning guncotton. Autoignition temperature: no generally accepted test method is available for powdered carbon. However, all carbonaceous materials will burn under certain conditions and activated carbon is no exception. Activated carbons, however, are not highly flammable and burn slowly without producing smoke or flame.

D.O.T. CARBON, ACTIVATED, 4.2, UN 1362, PG III

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20