



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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

MSDS No. CC 160
Effective Date October 30, 1998

SECTION V HEALTH HAZARD DATA

CC 160

Threshold Limited Value TWA: (air) 2 ppm; 12 mg/m³. STEL: 3 ppm; 19 mg/m³.
Camphor synthetic (ACGIH 1992-93).

Effects of Overexposure Irritant. **INGESTION:** May cause nausea, vomiting, dizziness, excitation, convulsions. **INHALATION:** Repeated exposure to high concentrations of the dust vapors may be irritating to the upper respiratory tract. **EYES:** Causes irritation on contact. **SKIN:** Prolonged contact with the solid may cause irritation.

Emergency and First Aid Procedures **INHALATION:** Remove to fresh air. If illness or discomfort develops, get medical attention. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. 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. Induce vomiting and call a physician. Never give anything by mouth to an unconscious person.

SECTION VI REACTIVITY DATA

Stability	Unstable		Conditions to Avoid	Excessive temperature and heat.
	Stable	X		

Incompatibility (Materials to Avoid) Strong oxidizers. Salt of any kind should not be added to camphor water.

Hazardous Decomposition Products Thermal decomposition or burning may produce carbon monoxide and/or Carbon Dioxide.

Hazardous Polymerization	Conditions to Avoid		Not applicable.
	May Occur	Will Not Occur	
		X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled Remove sources of ignition. Sweep up and place in a suitable container for proper disposal. Wash spill area well with soap and water.

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 equipped with an after burner and scrubber or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type) Wear a NIOSH/MSHA- approved organic vapor dust respirator. Work in a ventilation hood.

Ventilation	Local Exhaust	Recommended.	Special	No.
	Mechanical (General)	Recommended.	Other	No.

Protective Gloves Rubber. **Eye Protection** Chemical safety glasses.

Other Protective Equipment Goggles, lab coat, proper gloves, ventilation hood, fire extinguisher, and eye wash station.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing Store in a cool, dry, well-ventilated area away from fire hazards. Wash thoroughly after handling.
Keep container tightly closed when not in use.

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

Avoid contact with eyes, skin and clothing. 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. 7	Date 10/30/98	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	CAMPHOR	 <p>CHEMTREC 800-424-9300 Day 716-226-6177</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>LEAST</td> <td>SLIGHT</td> <td>MODERATE</td> <td>HIGH</td> <td>EXTREME</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table> <p>HMIS *</p> <table border="1"> <tr> <td>Health</td> <td>3</td> </tr> <tr> <td>Fire</td> <td>2</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	LEAST	SLIGHT	MODERATE	HIGH	EXTREME	0	1	2	3	4	Health	3	Fire	2	Reactivity	0
LEAST	SLIGHT		MODERATE	HIGH	EXTREME													
0	1		2	3	4													
Health	3																	
Fire	2																	
Reactivity	0																	
Chemical Synonyms	Synthetic Camphor, Camphor Gum																	
Formula	C ₁₀ H ₁₆ O																	
Unit Size	up to 2.5 Kg.																	
C.A.S. No.	76-22-2																	

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Camphor	>99%	See Section V.

WARNING! FLAMMABLE! HARMFUL IF INHALED.

CAUSES SKIN AND EYE IRRITATION.

SECTION III PHYSICAL DATA

Melting Point (°F)	165°C (329°F)	Specific Gravity (H ₂ O = 1)	0.992 (25°/4°C)
Boiling Point (°F)	204°C (400°F)	Percent Volatile by Volume (%)	100%
Vapor Pressure (mm Hg)	0.18 at 20°C	Evaporation Rate (=1)	Unknown.
Vapor Density (Air=1)	5.24		
Solubility in Water	0.12%		
Appearance & Odor	White crystals or fused crystals; penetrating aromatic odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	150°F (65.5°C) (TCC)	Flammable Limits in Air % by Volume	Lower	Upper
			0.6	3.5

Extinguisher Media Carbon Dioxide (CO₂); dry chemical (ABC); alcohol foam.

SPECIAL FIREFIGHTING PROCEDURES

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

Autoignition temperature: 871°F (466°C)

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react vigorously with oxidizing materials. Emits toxic fumes under fire conditions. Explosion hazard.

D.O.T. **CAMPHOR, 4.1, UN 2717, PG III**

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