



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

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MSDS No. PP 51
Effective Date March 27, 1998

SECTION V HEALTH HAZARD DATA

PP 51

Threshold Limited Value

Paraffin wax fume: TWA 2 mg/m³ (ACGIH 1992-93),
OSHA 2 mg/m³. STEL: 6 mg/m³ (vapor).

Effects of Overexposure

Low hazard for usual laboratory handling at room temperature; non-toxic. High concentrations of wax fumes may be irritating to eyes, skin and mucous membranes. Molten wax may cling to flesh and result in thermal burns.

Emergency and First Aid Procedures

SKIN: Burns from contact with molten material should be treated like thermal burns. Cool affected area as quickly as possible by drenching or immersing in water until material solidifies. Do not attempt to remove solidified material. Cover area with sterile, dry dressing. Get medical attention immediately. **EYES:** Flush with water and get immediate medical attention.

SECTION VI REACTIVITY DATA

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

Incompatibility (Materials to Avoid)	Strong oxidizing materials.
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Hazardous Decomposition Products	Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, smoke, acid fumes.
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Hazardous Polymerization	Conditions to Avoid
May Occur	Will Not Occur
	X
	Not applicable.

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 for disposal by incineration or if uncontaminated material may be disposed of in a sanitary landfill.
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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.
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Dispose of in an approved incinerator, or contract with a licensed waste disposal service.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)	None should be needed in normal laboratory handling at room temperature.			
Ventilation	Local Exhaust	If heated.	Special	No.
	Mechanical (General)	If heated.	Other	No.
Protective Gloves	None needed.		Eye Protection	None required.

Other Protective Equipment	Lab coat, fire extinguisher, eye wash station.
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SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing	Store in a cool, dry place away from oxidizing material and fire hazards. Keep container tightly closed when not in use.
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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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Use caution when heating to melt. Temperatures exceeding ignition point will cause wax to burn.

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

Revision	No. 4	Date	3/27/98	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	PARAFFIN WAX
Chemical Synonyms	Paraffin; Hard Paraffin
Formula	C _n H _{2n+2}
Unit Size	up to 2.5 Kg.
C.A.S. No.	8002-74-2

1

0

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 1
Reactivity 0

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Paraffin Wax	100%	See Section V.
CAUTION! COMBUSTIBLE.		

SECTION III PHYSICAL DATA

Melting Point (°F)	47°-65°C (116°-149°F)	Specific Gravity (H ₂ O = 1)	0.880-0.920 at 20°C
Boiling Point (°F)	Above 370°C (698°F)	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate (=1)	Non-volatile (NA).
Vapor Density (Air=1)	Data not listed.		
Solubility in Water	Insoluble.		
Appearance & Odor	Colorless or white wax, somewhat translucent, greasy feel; odorless mass.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	390°F (199°C) (C.C.)	Flammable Limits in Air % by Volume	N/A	Lower	Upper
Extinguisher Media	Carbon dioxide (CO ₂); dry chemical (ABC); water spray; foam.				

SPECIAL FIREFIGHTING PROCEDURES

Water or foam may cause frothing. This remark is included only as a precaution and does not indicate that water or foam should not or could not be used in fighting fires in such materials. In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

Autoignition Temperature: 473°F (245°C).

UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire or excessive heat may produce hazardous decomposition products; can react with oxidizing materials.

D.O.T. NON-REGULATED.

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