

#540

SECTION I NAME **24 HOUR EMERGENCY ASSISTANCE**

Product	PARAFFIN WAX	CHEMTREC 800-424-9300	Health	0
Chemical Synonyms	Paraffin; hard paraffin	Doc 718-324-6177 NPN 718-334-4222	File	1
Molecular Weight	C ₂₅ H ₅₂		Reactivity	0
(M) Size	500 grams			
U.S. No.	8002-74-2			

SECTION II HAZARDOUS INGREDIENTS OF MIXTURES

Principal Hazardous Component(s)	Paraffin Wax	%	TLV Units
		100%	See Section V

CAUTION! COMBUSTIBLE

SECTION III PHYSICAL DATA

Melting Point (°F)	43.3 to 60°C	Specific Gravity (H₂O = 1)	0.9 at 20°C
Boiling Point (°F)	Above 370°C	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 and Odor	Colorless or white wax, somewhat translucent, greasy feel; mass.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (°F)	390°F (199°C)(C.C.)	Flammable Limits in Air	Lower: ----- Upper: -----
Flash Point (°C)		% by Volume (NA)	
Igniter	Carbon dioxide (CO ₂); dry chemical (ABC); water spray; foam.		

SECTION V 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-approved self-contained breathing apparatus.

SECTION VI AUTOTEMPERATURE: 473°F (245°C).

SECTION VII USUAL FIRE AND POSITION HAZARDS

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

SECTION VIII NON-REGULATED

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

SECTION V HEALTH HAZARD DATA

Paraffin wax fume: TWA 2 mg/m³ (ACGIH 1983-84).
 Threshold Limited Value
 Low hazard for usual laboratory handling at room temperature; non-toxic.

SECTION VI EMERGENCY AND FIRST AID PROCEDURES

None indicated.

SECTION VII REACTIVITY DATA

Stability	Unstable	Conditions to Avoid	Excessive temperature and heat.
	Stable		
Incompatibility (Materials to avoid)	Strong oxidizing materials.		

SECTION VIII HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

SECTION IX SPILL OR LEAK PROCEDURES

Sweep up and place in suitable container for disposal by incineration or if uncontaminated material may be disposed of in a sanitary landfill.

SECTION X WASTE DISPOSAL METHOD

Dispose of in an approved incinerator.

SECTION XI SPECIAL PROTECTION INFORMATION

Respiration Protection	None should be needed in normal laboratory handling at room temperature. (Specify Type)		
Ventilation	Local Exhaust	General	Other
	If heated	If heated	
Protective Gloves	None needed		
Eye Protection	None required		

SECTION XII PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in a cool, dry place away from oxidizing material and fire hazards.
 Keep container tightly closed when not in use.
 Read label on container before using.

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

Rev. No. 1 Date 11/28/87 Approved [Signature] Chemical Safety Coordinator