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# MATERIAL SAFETY DATA SHEET

## I NAME

PRODUCT TRADE NAME:	Threadlock 245	HAZARD RATING LEAST 0 SLIGHT 1 MODERATE 2 HIGH 3 EXTREME 4	HEALTH	2
CHEMICAL/ SYNONYMS:	ANAEROBIC ADHESIVE/SEALANT		FIRE	1
CHEMICAL FAMILY:	METHACRYLATE ESTER		REACTIVITY	2

SHIPPING CLASS:	DOT: ADHESIVE, NOI	TSCA INVENTORY:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
	U.N.: NON-RESTRICTED			

## II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	CAS NO.	%	HAZARD DATA
Tetraethyleneglycol dimethacrylate	109-17-1	50	Eye and skin irritant
Hydroxyethyl methacrylate	868-77-9	15	Eye and skin irritant
Cumene hydroperoxide	80-15-9	3	Strong eye and skin irritant.
Saccharin	81-07-2	2	Potential carcinogen when ingested only.
Dimethyl-p-toluidine	99-97-8	1	Eye and skin irritant.

## III PHYSICAL DATA

APPEARANCE - ODOR	Blue liquid-mild, pleasant odor		VISCOSITY	Thixotropic typically 1000 cps
MELTING OR FREEZING POINT	BOILING POINT	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (AIR = 1)	
NA	Polymerizes before boiling point is attained	.01 @ 77°F*	1.01*	
SOLUBILITY IN WATER	PERCENT VOLATILE (BY WEIGHT)	SPECIFIC GRAVITY (WATER = 1)	EVAPORATION RATE (BUTYL ACETATE = 1)	
Insoluble	less than 1%	1.07 @ 68°F	NA	

\*Based on Methacrylate esters

## IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	Setaflash	AUTO IGNITION TEMPERATURE	LOWER EXPLOSION LIMIT (%)	UPPER EXPLOSION LIMIT (%)
230°F	Closed Cup	Not determined	NA	NA
EXTINGUISHING MEDIA				
<input checked="" type="checkbox"/> FOAM <input type="checkbox"/> "ALCOHOL" FOAM <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> DRY CHEMICAL <input checked="" type="checkbox"/> WATER FOG <input type="checkbox"/> OTHER				
SPECIAL FIRE FIGHTING PROCEDURES				
Overexposure to decomposition products may cause a health hazard. Wear protective clothing to prevent contact and self-contained breathing apparatus, if necessary, to prevent inhalation of vapors.				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
In larger quantities, could undergo violent polymerization generating significant heat and pressure. See Section VI for conditions to avoid.				

## SECTION V HEALTH HAZARD DATA

**EFFECTS OF OVEREXPOSURE** Prolonged contact may cause skin irritation and will cause eye irritations. In vapor or mist form, may cause irritation to respiratory tract.

**ACUTE OVEREXPOSURE** Same as above.

**CHRONIC OVEREXPOSURE** Same as above.

**EMERGENCY AND FIRST AID PROCEDURES**

**SKIN** Wash with soap and water. Consult physician if rash develops.

**EYES** Hold eye open and flush with plenty of water. Consult physician.

**INHALATION** Move victim to fresh air. Give oxygen or artificial respiration, if needed. Consult physician.

**INGESTION** Do not induce vomiting. If conscious, give warm water and get immediate medical attention.

**NOTES TO PHYSICIAN:**  
Hazardous ingredients do not readily vaporize. The major health hazard is skin and eye irritation and the potential for sensitization which may occur in certain individuals.

## VI REACTIVITY DATA

**STABILITY**

STABLE     UNSTABLE

**CONDITIONS TO AVOID** Temperatures over 80°C (176°F), contamination by metals or their salts.

**HAZARDOUS DECOMPOSITION PRODUCTS**

CO, CO<sub>2</sub>, nitrogen oxides and other unknown organic compounds.

**HAZARDOUS POLYMERIZATION**

MAY OCCUR     WILL NOT OCCUR

**CONDITIONS TO AVOID**

Temperatures over 80°C (176°F), contamination by metals and their salts.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

WATER     OTHER

## VII SPILL OR LEAK PROCEDURE

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED** Wear protective clothing. Dike and absorb with inert material such as Nu-dri. Caution: in bulk quantities, product absorbed on inert material may polymerize generating significant heat. May be necessary to vent disposal containers to avoid buildup of pressure.

**WASTE DISPOSAL METHODS** Do not pour down drain. May be incinerated if in compliance with all air pollution control regulations.

Landfill

in accordance with applicable Federal, State and Local laws concerning health and environment.

## VIII SPECIAL PROTECTION INFORMATION

**VENTILATION TYPE**

Local exhaust-if needed for worker comfort.

**RESPIRATORY PROTECTION** None needed normally. With spray or mist, NIOSH approved respirator for organic vapors should be worn. See Section IV for emergency conditions.

**PROTECTIVE GLOVES**

Polyethylene or rubber gloves.

**EYE PROTECTION**

Safety glasses must be worn.

**OTHER PROTECTIVE EQUIPMENT**

As required to protect clothing.

## IX SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Avoid skin and eye contact. Spray or mists presents an inhalation hazard. Store in cool location out of direct sunlight.

**OTHER INFORMATION**

Read instruction sheet carefully. Keep out of reach of children.

### FOR INDUSTRIAL USE ONLY

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SUPERSEDES