

MATERIAL SAFETY DATA SHEET



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PRODUCT: 131600 Stud Grade™ Permanent
MSDS ID: ND2049 Threadlocker/Sealant
DATE: 9/15/97 Updated: 11/1/00
PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information H:2 F:1 R:1 PPE: H

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Methacrylate monomer	NDA-09-148	25852-47-5 65-70	n.e.	n.e.	
Polyester resin	NDA-09-152	proprietary 20-25	n.e.	n.e.	
Saccharin	NDA-09-150	81-07-2 2-5	n.e.	n.e.	
Cumene hydroperoxide	NDA-09-151	80-15-9 1-3	n.e.	n.e.	
Alkyl toluidine	NDA-09-169	613-48-9 <1	n.e.	n.e.	
Aromatic amine	NDA-09-170	609-72-3 <0.3	none	none	
Methanol	NDA-09-171	67-56-1 <0.7	200 ppm	200 ppm	

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION II -Physical and Chemical Characteristics

BOILING POINT: > 200°C
VAPOR DENSITY: n.e. air = 1
VAPOR PRESSURE: n.e.
MELTING POINT: n.a.
SPECIFIC GRAVITY: > 1.0 water = 1
EVAPORATION RATE: n.a.
WATER REACTIVE: No
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Red translucent gel with pleasant cumene odor.

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: > 160°C PMCC
AUTOIGNITION TEMPERATURE: not determined
FLAMMABILITY LIMITS % IN AIR: LEL: not determined UEL: not determined
EXTINGUISHER MEDIA: Use carbon dioxide, foam, dry chemical and/or water spray.

SPECIAL FIREFIGHTING PROCEDURES: Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat.

UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID: Combustion of product may produce oxides of carbon.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Methacrylate monomer	not determined	not determined	not determined
Polyester resin	not determined	not determined	not determined
Saccharin	not determined	not determined	not determined
Cumene hydroperoxide	800-1600 mg/Kg Rat	Severe irritation (delayed)	700 ppm Rat
Alkyl toluidine	not determined	not determined	not determined
Aromatic amine	6.2-13 g/kg (rat)	not determined	not determined
Methanol		20 ml/kg (rabbit)	64,000 ppm (rat)

SECTION VI - Control and Protective Measures

RESPIRATORY PROTECTION: Wear NIOSH/MOSHA approved respirator. Work in a well ventilated area.

PROTECTIVE GLOVES: Use rubber or vinyl.

EYE PROTECTION: Wear NIOSH approved safety glasses.

VENTILATION TO BE USED: LOCAL EXHAUST: X MECHANICAL: SPECIFIC:
OTHER (specify):

PROTECTIVE CLOTHING AND EQUIPMENT: Wear impervious clothing to prevent repeated, prolonged skin contact.

HYGIENIC WORK PRACTICES: Practice good personal hygiene and wash hands after handling product.

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Absorb loose material on inert filler and place in suitable container for proper disposal.

WASTE DISPOSAL METHODS: Dispose of material in accordance with local, state and federal regulations.

SAFE HANDLING AND STORAGE: Avoid prolonged skin contact. Store product in a cool dry place.

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

This material contains inhibitors which upon depletion can result in an excessive thermal reaction.

**RECOMMENDED
NFPA/HMIS
RATING**

HEALTH 2

FLAMMABILITY 1

REACTIVITY 1

**PERSONAL H
PROTECTION**

note: ratings may differ according to application, environment, and physical state.

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NOTES:

SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
80-15-9	Cumene hydroperoxide	1.8%

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>cancer agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent & Reproductive Toxin</u>
Saccharin	81-07-2	2.5%	X		

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