

ND INDUSTRIES, INC. 1893 BARRETT ROAD TROY, MICHIGAN 48084 (248) 288-0000 Fax: (248) 288-0022 24 hr. EMERGENCY CHEMTREC:

1-800-424-9300

131600 (131) Stud Grade™ Permanent PRODUCT:

MSDS ID: ND2049 ORIG. DATE: 9/15/97 REV. DATE: 5/31/07

REV. DATE:

PREPARED BY: Chemical Safety

SECTION I -Material Identification and Information		H: 2	F: 1		R: 1	PPEC	
COMPONENTS		CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	
Polyglycol Dimethacrylate	NDA-09-332	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		

All ingredients are listed on the TSCA Inventory.

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

VOC #/gal. : 1.185

DENSITY OF COATING:

SECTION II -Physical and Chemical Characteristics

> 200°C **BOILING POINT:**

VAPOR DENSITY: air = 1n.e.

VAPOR PRESSURE: n.e.

MELTING POINT: n.a.

> 1.0 **SPECIFIC GRAVITY:** water = 1

EVAPORATION RATE: n.a. WATER REACTIVE: No **SOLUBILITY IN WATER:** Insoluble

APPEARANCE AND ODOR: Red translucent liquid with 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 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.

PROCEDURES:

UNUSUAL FIRE HAZARDS AND CONDITIONS TO

Combustion of product may produce oxides of carbon.

AVOID:

PRODUCT: 131600 (131) Stud Grade™ Threadlocker/Sealant

SECTION IV - Reactivity Hazard Data

STABILITY: stable: χ unstable:

HAZARDOUS POLYMERIZATION: may occur: will not occur: X

CONDITIONS As supplied; avoid unintentional mixing of material with other and storage temperatures exceeding 120°F and strong

TO AVOID: oxidizing agents.

INCOMPATIBILITY: Avoid strong oxidizing agents and storage temperatures exceeding 120°F. Avoid exposure to steel or rust.

HAZARDOUS DECOMPOSITION PRODUCTS:

CONTACT:

Combustion yields oxides of carbon and possible toxic fumes.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: INHALATION: X INGESTION: X SKIN ABSORPTION: X

EYE CONTACT: A primary route of exposure that will cause eye irritation characterized by excessive tearing, redness and blinking.

Flush eyes with generous amounts of water for 20-30 minutes, lifting both upper and lower eyelids occasionally.

Get medical attention.

SKIN A primary route of exposure that may cause moderate skin irritation and allergic skin reaction. May cause rash,

redness, swelling and blistering (symptoms may be delayed)

Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention. Launder

FIRST AID: clothing before reuse.

INHALATION: Vapors generated at elevated temperatures, may cause respiratory tract irritation. Symptoms may include

coughing, mucous production and shortness of breath.

FIRST AID: If overcome by exposure, victim should be removed to fresh air immediately. Give artificial respiration as needed.

Get immediate medical attention.

INGESTION: Ingestion may cause irritation of the gastrointestinal tract and depression of the central nervous system leading to

loss of consciousness.

FIRST AID: Do no induce vomiting. Immediately seek medical attention.

CHRONIC Material or its emissions may defat skin, cause contact dermatitis and thereby aggravate existing skin or systemic

EFFECTS: diseases.

Carcinogenic: Contains saccharin which has been determined to cause cancer in laboratory animals.

131600 (131) Stud Grade™ Threadlocker/Sealant PRODUCT:

Component Oral LD50 **Dermal LD50** Inhalation LC50

Methacrylate monomer Polyester resin Saccharin

Cumene hydroperoxide Alkyl toluidine

Aromatic amine

not determined not determined not determined 800-1600 mg/Kg (Rat) not determined

not determined not determined not determined Severe irritation (delayed) not determined

not determined not determined not determined 700 ppm (rat) not determined not determined

SECTION VI - Control and Protective Measures

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

PROTECTION:

PROTECTIVE Use rubber or vinyl.

GLOVES:

EYE PROTECTION: Wear NIOSH approved safety glasses.

LOCAL EXHAUST: X MECHANICAL: VENTILATION SPECIFIC:

TO BE USED: OTHER (specify):

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

AND EQUIPMENT:

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

PRACTICES:

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.

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

METHODS:

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

AND STORAGE:

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

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

RECOMMENDED HEALTH 2 FLAMMABILITY 1 REACTIVITY 1 PERSONAL NFPA/HMIS **PROTECTION** note: ratings may differ according to application, environment, and physical state.

RATING

PRODUCT: 131600 (131) Stud Grade™ Threadlocker/Sealant									
NOTES: DOT Proper Shipping Name Not Regulated									
<u>SEC</u> Detaching this notification from the	CTION 313 SUPPLIER NO Material Safety Data Sheet i			nivaoo vr	ı or				
distribution of same requires this a	ttachment be included.	-	-						
This product contains the following of the Emergency Planning and Con				of section	313				
CAS #	CHEMICAL NAME		% BY WEIGHT						
80-15-9 107-21-1	Cumene hydroperoxide Ethylene glycol		1.8%						
This product contains the following ma Enforcement Act of 1986 are recognize			of the Safe Drink	ing Water a	and Toxic				
Material	Concentration	Cancer	Reproductive	cancer agent &	Reproductive				
iviaterial	CAS #	Agent	Toxin	agent	Toxin				
Ethylene glycol	107-21-1		Х						
Stud Grade is a trademark of ND Ind	ustries®, Inc. Vibra-TITE is a	trademark	of ND Industrie	es, Inc.					
he information contained herein is based or nc. makes no warranty, expressed or implie									
hereof. Information is supplied upon the countability for their properties prior to use.					its				