



**ND INDUSTRIES, INC.**  
**1893 BARRETT ROAD**  
**TROY, MICHIGAN 48084**  
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**24 hr. EMERGENCY CHEMTREC:**  
**1-800-424-9300**

**PRODUCT: 541 High Strength Retaining Compound**

MSDS ID: **ND2215**  
 ORIG. DATE: **11/13/98**  
 REV. DATE: **2/18/09**  
 REV. DATE: **1/19/11**

PREPARED BY: **Chemical Safety**

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

COMPONENTS		CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Ethoxylated Dimethacrylate	NDA-10-480	24448-20-2	40-50	n.e.	n.e.	
Hydroxyalkyl Methacrylate	NDA-10-235	27813-02-1	30-35	n.e.	n.e.	
Bisphenol-A Fumarate Resin	NDA-10-152	39382-25-7	15-20	n.e.	n.e.	
Cumene Hydroperoxide	NDA-10-151	80-15-9	0.5-2.5	n.e.	n.e.	
Saccharin	NDA-10-150	81-07-2	.5-4	n.e.	n.e.	

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°F **VOC :** 3.55  
**VAPOR DENSITY:** n.a. air = 1  
**VAPOR PRESSURE:** <10 mmHg @ 80°F **DENSITY OF COATING:**  
**MELTING POINT:** n.a.  
**SPECIFIC GRAVITY:** 1.09 water = 1  
**EVAPORATION RATE:** n.a.  
**WATER REACTIVE:** n.a.  
**SOLUBILITY IN WATER:** Slight  
**APPEARANCE AND ODOR:** Green liquid with sharp cumene odor.

**SECTION III - Fire and Explosion Hazard Data**

**FLASH POINT:** > 200°C **TOC**  
**AUTOIGNITION TEMPERATURE:** not determined  
**FLAMMABILITY LIMITS % IN AIR:** LEL: not determined UEL: not determined  
**EXTINGUISHER MEDIA:** Use carbon dioxide, foam or dry chemical.

**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:** Irritating organic vapors.

# MATERIAL SAFETY DATA SHEET

**PRODUCT: 541 High Strength Retaining Compound**

## SECTION IV - Reactivity Hazard Data

**STABILITY:**          **stable:**  $\checkmark$                                   **unstable:**  
**HAZARDOUS POLYMERIZATION:**          **may occur:** X                                  **will not occur:**

**CONDITIONS TO AVOID:**      High temperature, and direct sunlight.

**INCOMPATIBILITY:** Reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**          None known.

## SECTION V - Health Hazard Data

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

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

**FIRST AID:**                  Flush eyes with generous amounts of water for at least 15 minutes, lifting both upper and lower eyelids frequently. Get medical attention.

**SKIN CONTACT:**          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)

**FIRST AID:**                  Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention. Launder clothing before reuse.

**INHALATION:**                  Not a likely route of exposure.

**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.

**FIRST AID:**                  Do no induce vomiting. Keep individual calm. Immediately seek medical attention.

**CHRONIC EFFECTS:**          May cause dermatitis on prolonged contact in sensitive individuals.

**Carcinogenic:**

# MATERIAL SAFETY DATA SHEET

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Dimethacrylate Ester	not determined	not determined	not determined
Hydroxyalkyl Methacrylate	not determined	not determined	not determined
bisphenol-A A Fumarate Resin	not determined	not determined	not determined
Cumene Hydroperoxide	800-1600 mg/Kg	Severe irritation	700 ppm Rat
Saccharin	not determined	not determined	not determined

## SECTION VI - Control and Protective Measures

**RESPIRATORY PROTECTION:** None needed for normal use. Work in a well ventilated area.

**PROTECTIVE GLOVES:** Disposable polyethylene gloves with vinyl latex over gloves will give protection.

**EYE PROTECTION:** Wear NIOSH approved safety glasses with side shields or chemical splash goggles.

**VENTILATION TO BE USED:** LOCAL EXHAUST:  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:

Dike area to prevent spreading. Absorb on vermiculite, sand or other inert absorbing material.

**WASTE DISPOSAL METHODS:** Dispose of as a chemical waste in accordance with current local, state, and federal regulations

**SAFE HANDLING AND STORAGE:** Avoid prolonged skin contact. Store product below 110°F to preserve shelf life.

### OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

Avoid prolonged skin contact. Keep away from eyes.

**RECOMMENDED  
NFPA/HMIS  
RATING**

**HEALTH 2**

**FLAMMABILITY 1**

**REACTIVITY 1**

**PERSONAL  
PROTECTION B**

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

# MATERIAL SAFETY DATA SHEET

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## NOTES:

Shipping Regulations:  
DOT and IATA Hazard Classification: Non restricted Articles  
Proper DOT Shipping Name: N/A

7680

## 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	<3
107-21-1	Ethylene Glycol	Trace

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 &amp; Reproductive Toxin</u>
Ethylene Glycol	107-21-1	Trace		X	

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