



# MATERIAL SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard  
Z400.1-2004

Revision Date: 9/19/2011  
MSDS No.: ND5002

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 440 Pneumatic / Hydraulic High Pressure Sealant

**Synonyms:** Pipe Sealant

**Use of the Substance/Preparation:** Sealant

**Supplier:**

ND Industries, Inc.  
1893 Barrett Road  
Troy, Michigan 48084  
Tel: (248) 288-0000  
Fax: 248) 288-0022

**Emergency Telephone Number:** 24 hr. EMERGENCY CHEMTREC  
1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW-  
WARNING:**

Causes eye irritation. May cause skin irritation. May cause sensitization by skin contact. May cause respiratory tract irritation.

**Principle Routes of Exposure:**

Eyes and skin.

**POTENTIAL HEALTH EFFECTS:**

**Eye Contact:**

Causes eye irritation.

**Skin Contact:**

May cause skin irritation. May cause sensitization by skin contact.

**Ingestion:**

Not expected to be a route of entry under normal industrial use conditions.

**Carcinogenic Effects:**

Components of this product have no known carcinogenic effects. No data available on product itself.

**Target Organ Effects:**

No data available.

**Medical Conditions Aggravated by  
Exposure:**

No data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Polyglycol dimethacrylate	Proprietary	Proprietary	30-45	None
Polymeric plasticizer	Proprietary	Proprietary	30-40	None
Hydroxypropyl methacrylate	Mixture	Mixture	15-25	None
Cellulose Acetate Butyrate	9004-36-8	n/a	0-10	None

Methylated silica	67762-90-7	n/a	3-8	None
Saccharin	81-07-2	201-321-0	1-3	None
Cumene hydroperoxide	80-15-9	201-254-7	<2	Xi: R36/37

#### 4. FIRST AID MEASURES

<b>Skin Contact:</b>	Wash affected area thoroughly with soap and water. Flush with warm water. Remove contaminated clothing and launder before reuse. If irritation develops or persists seek medical attention.
<b>Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, lifting both eyelids. Seek medical attention.
<b>Inhalation:</b>	Remove to fresh air. If not breathing provide artificial respiration. If symptoms persist or you feel unwell seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting, unless directed by a medical professional to do so. Seek immediate medical attention.

#### 5. FIRE AND IGNITION INFORMATION

<b>Flash Point</b>	>200°F
<b>Explosion Limits in Air – Upper (%):</b>	Not established.
<b>Explosion Limits in Air – Lower (%):</b>	Not established.
<b>OSHA Flammability Classification:</b>	Combustible.
<b>Auto-ignition Temperature:</b>	Not established.
<b>Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , or foam.
<b>Special Protective Equipment for Firefighters:</b>	Fire fighters should wear full protective gear including self contained breathing apparatus.
<b>Specific Hazards:</b>	Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.
<b>Hazardous Decomposition and/or Combustion Products:</b>	Carbon monoxide, carbon dioxide, hydrogen fluoride, and carbonyl fluoride.
<b>Risk of Dust Explosion:</b>	Not applicable.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Only trained personnel should clean a spill. Ventilate spill area. Wear adequate personal protective equipment.
<b>Methods for Cleaning Up:</b>	Contain and absorb spill with inert material. Collect material into suitable container for disposal.
<b>Environmental Precautions:</b>	Do not allow spilled material to enter drains, sewers, rivers or other watercourses.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Do not purge storage containers with inert gas. Avoid contact with skin and eyes. Wear adequate personal protective equipment. Wash hands thoroughly after use and before eating, drinking, smoking or using the lavatory.
<b>Storage:</b>	Store in cool, dry, well ventilated location, away from direct sunlight. Protect from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

None.

### ENGINEERING CONTROLS

Use with adequate ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory Protection:** If ventilation is not adequate to maintain exposures below recommended limits wear NIOSH approved respiratory protection.

**Hand Protection:** Wear chemical impervious gloves.

**Eye Protection:** Wear chemical splash goggles.

**Skin and Body Protection:** Wear protective clothing to avoid skin contact.

**Other:** Provide safety shower and eyewash stations.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White paste.  
**Odor:** Mild odor.  
**pH** Not applicable.  
**Vapor Pressure:** Not established.  
**Boiling Point/Range:** Not established.  
**Melting Point/Range:** Not established.  
**Water Solubility:** Insoluble  
**Specific Gravity:** ~1.15  
**VOC Content:** 0.002 lb./gal.  
**Evaporation Rate:** Not established.  
**Viscosity:** Not established.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous Polymerization:** May occur upon depletion of inhibitor.  
**Mechanical Sensitivity (shock):** Not applicable.  
**Conditions to Avoid:** Avoid prolonged storage at temperatures above 100°F. Avoid contact with metal powders, metal salts, and amines.  
**Hazardous Decomposition and/or Combustion Products:** Toxic fumes may be generated at fire temperatures. Oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

**Oral LD50:** No data on product itself.  
**Inhalation LC50:** No data on product itself.  
**Dermal LC50:** No data on product itself.  
**Eye Irritation:** No data on product itself.  
**Skin Irritation:** No data on product itself.

### CHRONIC TOXICITY

**Carcinogenic Effects:** No data on product itself.  
**Mutagenic Effects:** No data on product itself.  
**Reproductive Toxicity:** No data on product itself.  
**Sensitizing Effects:** Suspect skin sensitizer.  
**Synergistic Materials:** No data on product itself.

## 12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

**Aquatic Toxicity:** No data on product itself.

### ENVIRONMENTAL FATE

**Mobility:** No data on product itself.  
**Bioaccumulation:** No data on product itself.  
**Persistence / Degradability:** No data on product itself.  
**Distribution to Environmental Compartments:** No data on product itself.

## 13. DISPOSAL CONSIDERATIONS

**Disclaimer:** Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

**RCRA Classification (40 CFR 261):** Dispose of in accordance with all federal, state and local regulations.

## 14. TRANSPORTATION INFORMATION

**DOT:** Not regulated.

## 15. REGULATORY INFORMATION

### International Inventories

All components of this product are listed on or exempt from the following inventories:

- (yes) - European Inventory of Existing Commercial Substances (EINECS)
- (yes) - United States Toxic Substances Control Act (TSCA) Inventory

### U.S. Federal Regulations

**TSCA 12(b) Export Notification:** Not required.

**Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82):** Contains no listed hazardous air pollutants.

**Clean Water Act (CWA, 40 CFR 116):** Contains no listed priority pollutants.

**Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302):** Contains cumene hydroperoxide; RQ=10 lbs.

### Superfund Amendments and Reauthorization Act, Title III (SARA):

**SARA Section 302 (40 CFR 355) Extremely Hazardous Substances:** Contains no listed EHS.

**SARA Section 313 (40 CFR 372) Toxics Release Inventory:** Contains cumene hydroperoxide, less than 3%.

### U.S. State Regulations

**California Proposition 65:** This product contains or may contain chemical(s) known to the state of

California to cause cancer or other reproductive effects.

16. OTHER INFORMATION

**HMIS Rating**

HMIS Index: \*- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

Health: 2

Flammability: 1

Physical Hazard: 1

**Additional Contacts:**

**Prepared by:** ND Industries, Inc. – Safety, Health and Environmental Affaires  
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**Previous Revision Date:** 6/28/2011  
**Reasons for Revision:** Create combined MSDS for 440 and 441.

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