



MATERIAL SAFETY DATA SHEET



Revision Date:6/28/2012

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ND 513

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:	Avoid contact with skin and eyes. May cause sensitization by skin contact. May cause respiratory irritation.
CAUTION:	
Principle Routes of Exposure:	Skin and eyes.
<u>POTENTIAL HEALTH EFFECTS:</u>	
Eye Contact:	Causes eye irritation characterized by excessive tearing, redness, and blinking.
Skin Contact:	Causes moderate skin irritation, such as a rash, redness, swelling and blistering, and possible allergic skin reaction.
Inhalation:	Vapors generated at elevated temperatures may cause respiratory tract irritation.
Ingestion:	Not expected to be a route of entry under normal industrial use conditions. May cause irritation of the gastrointestinal tract.
Carcinogenic Effects:	No data available.
Target Organ Effects:	No data available.
Medical Conditions Aggravated by Exposure:	Skin conditions or diseases.
Potential Environmental Effects:	None known



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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %
Acrylic copolymer	Unknown	10-30
Muscovite	1318-94-1	10-30
Propanediol-1,2	57-55-6	1-5
Titanium dioxide	13463-67-7	1-5
Styrene	100-42-5	<1

4. FIRST AID MEASURES

- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Skin contact:** Wash with soap and water. Remove contaminated clothing and footwear. Wash clothing before reuse. If symptoms develop and persist, get medical attention.
- Eye contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.
- Ingestion:** **Do not induce vomiting.** Never give anything by mouth to an unconscious person. Keep individual calm. Get medical attention.

5. FIRE-FIGHTING MEASURES

- Flash point:** >200°F
- Autoignition temperature:** Not available
- Flammable/Explosive limits-lower %:** Not available
- Flammable/Explosive limits-upper %:** Not available
- Extinguishing media:** CO2, Foam, Dry Chemical or Water Spray
- Special Protective Equipment for Firefighters:** 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.
- Hazardous Decomposition and/or Combustion Products:** Combustion yields oxides of carbon and possible toxic fumes.
- Risk of Dust Explosion:** N/A



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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin and eyes. Use appropriate personal protective equipment when cleaning a chemical spill.

Methods for Cleaning Up: Absorb loose material on inert filler and place in suitable container for proper disposal.

Environmental Precautions: Dispose of material in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wear appropriate personal protective equipment.

Storage: Store product in a cool dry place. This material contains inhibitors which upon depletion can result in an excessive thermal reaction. Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.
None

ENGINEERING CONTROLS General ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Not necessary under normal use conditions.

Hand Protection: Wear appropriate chemical resistant gloves such as rubber or vinyl.

Eye Protection: Use NIOSH approved safety glasses. If eye contact due to splash hazard exists during use, wear chemical splash goggles.

Skin and Body Protection: Wear impervious clothing to prevent contact with skin.

Other: Wash hands after using and before eating, drinking, smoking, or using the lavatory.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White liquid
Odor:	Mild
pH	Not determined
Vapor Pressure:	Not determined
Boiling Point/Range:	Not determined
Melting Point/Range:	Not determined
Water Solubility:	Miscible
Specific Gravity:	1.30
VOC Content:	Not determined
Evaporation Rate:	Not determined
Viscosity:	Not determined
Partition Coefficient (n-octanol/water):	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Mechanical Sensitivity (shock):	N/A
Conditions to avoid:	Avoid contact with metal salts, heat, or amines. Storage temperatures greater than 100°F
Static Discharge Effects:	Minimal

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50:	Not determined
Inhalation LC50:	Not determined
Dermal LC50:	Not determined
Eye Irritation:	Irritating
Skin Irritation:	Irritating

SUBCHRONIC TOXICITY

Not determined

CHRONIC TOXICITY

No known chronic effects.



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Carcinogenic

Effects:	No data on product itself.
Mutagenic Effects:	No data on product itself.
Reproductive Toxicity:	No data on product itself.
Sensitizing Effects:	Possible sensitization by skin contact.
Synergistic Materials:	Not determined

12. ECOLOGICAL INFORMATION

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

Aquatic Toxicity: Not determined

ENVIRONMENTAL FATE

Mobility:	No data available.
Bioaccumulation:	No data available.
Persistence / Degradability:	No data available.
Distribution to Environmental Compartments:	No data available.

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): When this product is determined to be a waste, dispose of in accordance with all federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT shipping: Not regulated.

15. REGULATORY INFORMATION

U. S. Federal Regulations

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b) Export Notification: None above reporting de minimus

CERCLA/SARA Section 302 EHS: None above reporting de minimus



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CERCLA/SARA Section 311/312: Immediate Health, Delayed Health

CERCLA/SARA 313: 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 (40CFR 372). Styrene (CAS# 100-42-5).

California Proposition 65: This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

CEPA DSL/NDSL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

WHMIS hazard class: D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections:
New Material Safety Data Sheet format. 3, 15

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

Prepared by:	ND Industries, Inc. – Safety, Health and Environmental Affairs
Revision Date:	6/28/2012
Previous Revision Date:	10/20/2008
Reasons for Revision:	Add VOC content.

Disclaimer:

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