



MATERIAL SAFETY DATA SHEET

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

Revision Date: 8/11/2011

MSDS No.: ND2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 146 Large Diameter High Strength Threadlocker

Use of the Substance/Preparation: Thread locking and sealing

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:

CAUTION

Causes eye irritation. May cause skin irritation. Avoid contact with skin and eyes. May cause sensitization by skin contact. May cause respiratory irritation.

Principle Routes of Exposure:

Skin and eyes.

POTENTIAL HEALTH EFFECTS:

Eye Contact:

Causes eye irritation.

Skin Contact:

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

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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	Risk Phrases
Methacrylate monomer	25852-47-5	200-849-9	60-70	None
Polyester resin	Proprietary	Proprietary	20-30	None
Saccharin	81-07-2	201-321-0	1-5	None
Organic peroxide	80-15-9	201-254-7	1-3	Xi: R36/37

4. FIRST AID MEASURES

Skin Contact: Thoroughly wash affected area with soap and water. Flush with lukewarm water for at least 15 minutes. If irritation develops, seek medical attention. Launder contaminated clothing before reuse.

Eye Contact: Flush eyes with generous amounts of water for 20-30 minutes, lifting both upper and lower eyelids occasionally. Seek medical attention.

Inhalation: Remove to fresh air immediately. If symptoms persist or you feel unwell, seek medical attention.

Ingestion: Do not induce vomiting. Immediately seek medical attention.

5. FIRE AND IGNITION INFORMATION

Flash Point >200°F

Explosion Limits in Air – Upper (%): Not established.

Explosion Limits in Air – Lower (%): Not established.

OSHA Flammability Classification: Combustible.

Autoignition Temperature: Not established.

Extinguishing Media: CO₂, foam, dry chemical or water spray/fog for cooling.

Special Protective Equipment for Firefighters: Fire fighters should wear full protective gear including self contained breathing apparatus. 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: Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Only trained personnel should clean a spill. Avoid contact with skin and eyes. Use appropriate personal protective equipment when cleaning a chemical spill. Extinguish all ignition sources. Ventilate spill area.

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

Environmental Precautions: Do not permit product to enter drains, sewers, rivers, or other water courses.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Wear appropriate personal protective equipment when working with this product.

Storage: Store product in a cool dry place, away from direct sunlight. This material contains inhibitors which upon depletion can result in an excessive thermal reaction. Keep container tightly closed when not in use. Do not store for prolonged periods at temperatures below freezing or above 100°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

None.

ENGINEERING CONTROLS Use only with adequate general and/or local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Not necessary under normal use conditions and with adequate ventilation.
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 use and before eating, drinking, smoking or using the lavatory.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red liquid.
Odor: Cumene like odor.
pH Not applicable.
Vapor Pressure: Not established.
Boiling Point/Range: Not established.
Melting Point/Range: Not established.
Water Solubility: Insoluble
Specific Gravity: Not established.
VOC content: 0.13 lb/gal.
Evaporation Rate: Not established.
Viscosity: Not established.
Partition Coefficient (n-octanol/water): Not established.

10. STABILITY AND REACTIVITY

Stability: Stable.
Hazardous Polymerization: May occur.
Mechanical Sensitivity (shock): Not applicable.
Conditions to Avoid: Avoid strong oxidizing agents. Storage temperatures below freezing or above 100°F.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50: No data available.
Inhalation LC50: No data available.
Dermal LC50: No data available.
Eye Irritation: No data available.
Skin Irritation: No data available.

SUBCHRONIC TOXICITY

No data available.

CHRONIC TOXICITY

Carcinogenic Effects: No data available.

Mutagenic Effects: No data available.
Reproductive Toxicity: No data available.
Sensitizing Effects: No data available.
Synergistic Materials: No data available.

12. ECOLOGICAL INFORMATION

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

Aquatic Toxicity: No data available.

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. TRANSPORTATION INFORMATION

DOT shipping: Not regulated.

15. REGULATORY INFORMATION

Hazard Classification

United States – OSHA (29 CFR 1910.1200): This material is considered hazardous under OSHA.

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: None

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): None.

Clean Water Act (CWA, 40 CFR 116): None.

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): Contains cumene hydroperoxide less than 3%, RQ = 10 pounds.

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

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: No components of this product are listed as extremely hazardous chemicals under SARA section 302.

SARA Section 311/312 (40 CFR 370) Hazard Category: Acute, chronic.

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

Hazard symbols: Xi; Irritant
Risk phrases: R36/37: Irritating to eyes and respiratory system.
R43: May cause sensitization by skin contact

Safety phrases: S2: Keep out of reach of children
S24/25: Avoid contact with skin and eyes
S37/39 Wear suitable gloves and eye/face protection

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 harm.

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

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