

302-073

SAFETY DATA SHEET

Lloyds Laboratories Inc.

Threadlock – Part #90006, 90050, 90106, 90150, 90104

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Threadlocker
Date of Safety Data Sheet: January 6, 2019
Use of Preparation: Threadlocker.
Company Identification: Lloyds Laboratories Inc.
613 Neal Drive
Peterborough, Ontario
K9J 6X7

Company Telephone Number: 800 361-6766

24 Hour Telephone Number: CANUTEC 613-996-6666 or *666 for cell phone.

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2015 Hazards:

Classification of substances or mixture

GHS-US/Canadian classification:

Skin Irritation Category 2 H315.

Skin Sensitizer Category 1 H317.

Eye Irritation Category 2A H319.

Carcinogenicity Category 1A H350.

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Danger.

Hazard Statements (GHS):

Cause serious eye irritation.

May cause an allergic skin reaction.

Causes skin irritation.

May cause cancer.

Precautionary Statements (GHS):

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Wear protective gloves - 8 hour break through butyl rubber.

Wear eye or face protection.

Wear protective clothing.

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Use only outdoors or in a well-ventilated area.
Avoid breathing vapour.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.

Prevention Statements (GHS):

IF EXPOSED or CONCERNED: Get medical attention.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

Ingredient	CAS#	% by Wt
Tetramethylene dimethacrylate	2082-81-7	20-30
Amorphous fumed silica	68611-44-9	1-5
Ethene, homopolymer	9002-88-4	1-5
Propane-1,2-diol	57-55-6	1-5
Cumene hydroperoxide	80-15-9	0.1-1.0
1-Acetyl-2- phenylhydrazine	114-83-0	0.1-1.0
Cumene	98-82-8	0.1-1.0

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist consult physician.
Eye Contact: Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
Skin Contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.
Notes to Physician: Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Any standard extinguishing media (alcohol foam, water spray or fog, CO2 dry chemical, etc.).

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Unsuitable extinguishing media: Water jet.

Special exposure hazards: In a fire or if heated, a pressure increase will occur, and the container may burst.

Special safety equipment: Self-contained positive pressure breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapour or mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions: Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for Safe

Handling:

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for Safe Storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use local exhaust or dilution ventilation.
Respiratory protection: Not normally required.
Hand protection: Chemical resistant gloves.
Eye protection: Safety goggles or full face shield.
Skin protection: Use body-covering impervious clothing.
Working hygiene: Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.

Exposure Limits:

Amorphous fumed silica CAS#68611-44-9: ACGIH TLV (United States, 4/2014).
TWA 10 mg/m³ 8 hours inhalable

Ethylene, homopolymer CAS#9002-88-4: ACGIH TLV (United States, 4/2014).
TWA 10 mg/m³ 8 hours inhalable

Propane-1,2-diol CAS#57-55-6: AIWA WEEL
10mg/m³ TWA Aerosol

Cumene hydroperoxide CAS# 80-15-9: AIWA WEEL
10 ppm TWA Skin

Cumene CAS#98-82-8: ACGIH TLV (United States, 4/2014).
TWA 50 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid.	Odour	Typical.
Appearance	Viscous.	Odour Threshold	No data available.
Colour	Blue or Red.		

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH	Not applicable. (solvent).	
Melting/Freezing Point	Not available.	
Boiling Point/Range	Not available.	
Flash Point	>93 C.	
Flammability (solid, gas)		
Flammability Limit in Air:	Not available.	
Upper Limit	Not available.	

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Lower Limit	Not available.
Vapour Pressure	No data available.
Vapour density	No data available.
Specific Gravity	1.09.
Water Solubility	Negligible.
Solubility Other Solvents	No data available.
Partition Coefficient:	No data available.
n-octanol/water	No data available.
Autoignition temperature	No data available.
Decomposition	No data available.
Temperature	
Kinematic Viscosity	No data available.
Dynamic Viscosity	No data available.
Explosive Properties	No data available.
Oxidizing Properties	No data available.

Other Properties:

Softening Point	No data available.
VOC Content %	No data available.
Particle Size	Liquid.
Particle Size Distribution	Not applicable.

10. STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	No specific data.
Incompatible materials:	No specific data.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Product Information

Inhalation	Harmful if inhaled.
Eye Contact	Causes serious damage.
Skin Contact	May cause allergic reaction.
Ingestion	Harmful if swallowed.

Information on Toxicological Effects:

Symptoms	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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Delayed/Immediate/Chronic Effects from short- and long-term exposure:

Sensitization	Cumene hydroperoxide is classified as a skin sensitizer.
Mutagenic Effects	No known significant effects or critical hazards.

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Carcinogenicity	Cumene is classified as carcinogenic.
Reproductive Toxicity	No known significant effects or critical hazards.
STOT- Single Exposure	None known.
STOT Repeated exposure	None known.
Chronic Toxicity	None known.
Target Organ Effects	None Known.
Numerical Measures of Toxicity (based on GHS Chapter 3.1)	Not applicable.

12. ECOLOGICAL INFORMATION

Toxicity:	This product is toxic to aquatic organisms, including fish and invertebrates. Do not discharge effluent containing this product into streams lakes, oceans or other waters.
Persistence and Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Other Adverse Effects	
Other Information:	Avoid release to the environment.

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

Other: Dispose of in sanitary landfill, or by other procedures approved by state and local authorities.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT): Not regulated.

Canadian TDG (Road & Rail): Not regulated.

Water Transportation (IMDG): Regulated Material

Proper Shipping Name: Environmentally Hazardous Substance Liquid N.O.S.

Hazard Class: 9.

ID Number: 3082.

Packing Group: III.

Air Transportation (IATA): Regulated Material

Proper Shipping Name: Environmentally Hazardous Substance Liquid N.O.S.

Hazard Class: 9.

ID Number: 3082.

Packing Group: III.

15. REGULATION

Occupational Health & Safety Regulations:

OSHA & WHMIS: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations under the Hazardous Products Act).

International Inventories

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TSCA	Complies.
DSL/NDSL	Complies.
EINECS/ELINCS	Complies.
ENCS	Complies.
IECSC	Complies.
KECL	-
PICCS	-
AICS	Complies.

Legend:

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances.

IECSC - China Inventory of Existing Chemical Substances.

KECL - Korean Existing and Evaluated Chemical Substances.

PICCS - Philippines Inventory of Chemicals and Chemical Substances.

AICS - Australian Inventory of Chemical Substances.

HMIS III Rating

Health: 3.

Flammability: 0.

Physical: 0.

Personal Protection: B.

SDS US (GHS HazCom 2012 and WHMIS 2015).

16. OTHER INFORMATION

Prepared By: Technical Department

Issuing Date: January 6, 2019

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet