

Material Safety Data Sheet

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Head Office 9347 - 193 Street, Surrey, B.C., V4N 4E7		Emergency Phone Canutech (613) 996-6666 Collect 24 hrs

For updates please download from www.mgchemicals.com or fax requests to 1-800-708-9888

Section 1: Product Identification

MSDS Code: 8703 Name: Threadlocker , High Strength, Permanent

Related Part Numbers: 8703-10ML; 8703-50ML

Use: Permanent high strength thread locker.

Section 2: Hazardous Ingredients

CAS#	Chemical Name	Percentage by weight	ACGIH TWA	Osha PeI	Osha Stel
24448-20-2	aromatic dimethacrylate	50 - 70	n/e	n/e	n/e
39382-25-7	bisphenol A fumarate resin	10 - 20	n/e	n/e	n/e
27813-02-1	hydroxy methacrylate	10 - 20	n/e	n/e	n/e
80-15-9	organic peroxide	1 - 2	n/e	n/e	n/e
81-7-2	benzoic sulfimide	1 - 2	n/e	n/e	n/e

Section 3: Hazards Identification

Eyes:	Mild irritation.
Skin:	Very mild irritation.
Inhalation:	Very mild, if any, irritation.
Ingestion:	Not expected to be harmful by this method.
Chronic:	May cause dermatitis on prolonged contact in sensitive individuals.

Section 4: First Aid Measure

Eyes:	Remove contact lenses. Flush with water or saline for 15 minutes holding eye open. Get medical aid.
Skin:	Wash skin with soap and water for 15 minutes. Get medical aid if symptoms persist.
Inhalation:	Immediately remove from exposure to fresh air.
Ingestion:	Do not induce vomiting. Get medical aid.

Section 5: Fire Fighting Measures

Autoignition Temperature:	n/e	Flash Point:	>93°C	LEL / UEL:	n/a			
Extinguishing Media:	Use dry chemical, carbon dioxide, or chemical foam.							
General Information:	Will burn if involved in a fire. Containers may explode in the heat of a fire.							
NFPA Ratings:	Health	1	Flammability	1	Reactivity	1		
HMIS Ratings:	Health	1	Flammability	1	Reactivity	1	WHMIS Codes	D2A; D2B

Section 6: Accidental Release Measures

Spill Procedure: Protect from entering drains or water systems. Wear appropriate personal protection. Sprinkle absorbent compound onto spill, then sweep into a plastic or metal container. Wipe up further residue with paper towel and place in container.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not ingest or inhale.
Storage: Keep away from sources of ignition. Store in a cool, dry, well ventilated area, away from incompatible substances. Keep from freezing.

Section 8: Exposure Controls

Routes of entry: Eyes, ingestion, inhalation, and skin.
Ventilation: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.
Personal Protection: Wear appropriate protective eyeglasses or chemical safety goggles. Wear appropriate protective clothing to prevent skin contact. Wear Neoprene, butyl or natural rubber gloves. Use a NIOSH approved respirator when necessary.

Section 9: Physical and Chemical Properties

Physical State:	red liquid	Odor:	mild	Solubility:	slight	Evaporation Rate:	n/a		
Boiling Point:	149°C	Specific Gravity:	1.10	Vapor Pressure:	0.5mbar	Vapor Density:	n/e	pH:	n/a

Section 10: Stability and Reactivity

Stability: Stable at normal temperatures and pressures.
Conditions to avoid: Temperatures over 40°C, ignition sources.
Incompatibilities: Strong oxidizers
Polymerization: Will not occur.
Decomposition: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

Section 11: Toxicological Information

Sensitization: (effects of repeated exposure) Not known to

Carcinogenicity: (risk of cancer) Not known to

Teratogenicity: (risk of malformation in an unborn fetus) Not known to

Reproductive Toxicity: (risk of sterility) Not known to

Mutagenicity: (risk of heritable genetic effects) Not known to

Lethal Exposure Concentrations: **Ingestion(LD50):** 10g/kg **Inhalation (LC50):** n/e **Skin (LD50):** 1.5g/kg

Section 12: Ecological Information

General Information: Avoid runoff into storms and sewers which lead into waterways. Water runoff can cause environmental damage.

Environmental Impact Data: (percentage by weight)

CFC: 0 **HFC:** **Cl.Solv.:** 0 **VOC:** 0 **HCFC:** 0 **ODP:** 0

Section 13: Disposal Information

General Information: Non-hazardous, however used product may contain possible contaminants (solder) that could make the product hazardous. Dispose of in accordance with all local, provincial, state, and federal regulations. Water runoff can cause environmental damage.

Section 14: Transportation Information

Ground:

Not regulated

Air:

Not regulated

Sea:

Not regulated

Section 15: Regulatory Information

SARA (Superfund Amendments and Reauthorization Act of 1986, USA, 40 CFR 372.4)

Organic peroxide CAS 80-15-9 is listed under section 313 as toxic material.

EPCRA (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product does not contain any chemicals subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

CAA (Clean Air Act, USA)

This product does not contain any class 1 ozone depletors.

This product does not contain any class 2 ozone depletors.

This product does not contain any chemicals listed as hazardous air pollutants.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, May 1, 1997 revision, USA)

This product does not contain any chemicals listed.

Section 15: Regulatory Information Cont.

Health Canada

Labeling and containers used in this product are listed in compliance with Consumer Chemicals and Container regulations.

Environment Canada

Chemicals in this product are listed on the Domestic Substances List in the Canadian Environmental Protection Act.

This product does not contain any ozone depleting substances.

Industry and Science Canada

Labeling, product identity, net quantity declaration, minimum printing type size heights, and packaging of this product is in compliance with the Consumer Packaging and Labeling Act and Regulations. This product is not slack filled in accordance to chapter 4 prohibitions.

Section 16: Other Information

Definitions: n/a = not applicable, n/e = not established

Disclaimer: This material safety data sheet is provided as an information resource only. M.G. Chemicals believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to verify its validity. The buyer assumes all responsibility of using and handling the product in accordance with federal, state, and local regulations.