



Safety Data Sheet

Revision Number: 02.2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	IC-Loc Blue™	IDH number:	171-172
Product type:	Anaerobic Threadlock	Item number:	171-172
Restriction of Use:	None identified	Region:	United States
Company address:	Contact information:		
Bob Smith Industries, Inc.	Telephone: (805) 466-1717		
8060 Morro Road	MEDICAL EMERGENCY Phone: Poison Control Center		
Atascadero, CA 93422	1-877-671-4608 (toll free) or 1-303-592-1711		
	TRANSPORT EMERGENCY Phone:		
	1-800-223-7699 (toll free)		
	www.bsi-inc.com		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING: CAUSES SKIN AND EYE IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2B
SKIN SENSITIZATION	1

PICTOGRAM(S)



Precautionary Statements

Prevention:	Avoid breathing vapors. Wash thoroughly after handling. Use in a well-ventilated area. Wear protective gloves and eye protection. Isolate contaminated work clothing.
Response:	IF ON SKIN: Wash with soap and water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse with water for several minutes. Remove contact lens. If eye irritation persists: Get medical attention. In case of fire: Use water spray to extinguish.
Storage:	IF INGESTED: Do not induce vomiting without medical advise. Store in a well-ventilated place. Keep container tightly closed. Keep in a cool and dry area.
Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

H-2, F-1, R-1

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Percentage*
2-Carboxyethyl Acrylate	24615-84-7	<60
Cumene Hydroperoxide	80-15-9	<40
N,N-Dimethyl-P-Toluidine	99-97-8	<1

* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If breathing is difficult, get medical attention.
Skin contact:	Wash contact area with soap and water. Remove contaminated clothing. Launder contaminated clothing before use.
Eye contact:	Immediately flush thoroughly with water and get medical attention.
Ingestion:	Seek immediate medical attention. Do not induce vomiting. May cause irritation to mouth, throat and stomach.
Symptoms:	See Section 11.
Notes to physician:	Application of corticosteroid cream has been effective in treating skin irritation.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Water spray, foam, dry chemical or carbon dioxide.
Special firefighting procedures:	In enclosed spaces, wear a self-contained breathing apparatus. Keep containers cool with water spray
Unusual fire or explosion hazards:	Polymerization may occur resulting in rupture of storage containers.
Hazardous combustion products:	Oxides of carbon, sulfur and nitrogen. Irritating organic vapors.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Ventilate area. Do not allow product to enter sewer or waterways.
Clean-up methods:	Absorb or cover with dry earth, sand or other absorbent, non-combustible material. Dispose of via a licensed waste disposal contractor. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up.

7. HANDLING AND STORAGE

Handling:	Prevent contact with eyes and avoid contact with skin and clothing. Avoid breathing vapor and mist. Wash thoroughly with soap and water after handling. Keep container closed..
Storage:	For safe storage, store between 0°C (32°F) and 32°C (89.6°F). Keep in a well ventilated, dry and cool area away from ignition sources. Keep container tightly closed until ready for use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2-Carboxyethyl Acrylate	None	None	None	None
Cumene Hydroperoxide	None	None	1 ppm TWA	None
N,N-Dimethyl-P-Toluidine	None	None	None	None

Engineering controls:	Use positive down-draft exhaust ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
Respiratory protection:	Not required for properly ventilated areas.
Eye/face protection:	Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.
Skin protection:	Use chemical-resistant, impervious gloves as necessary to prevent contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Blue
Odor:	Mild
Odor threshold:	N/D
pH:	N/A
Vapor pressure:	5 mm hg (27°C, 80.6°F)
Boiling point/range:	>149°C (>300°F)
Melting point/ range:	Not determined
Specific gravity:	1.1 at 24°C (75.2°F)
Vapor density:	N/A
Flash point:	>93°C (>199°F) ASTM D-56
Flammable/Explosive limits - lower:	N/A
Flammable/Explosive limits - upper:	N/A
Auto-ignition temperature:	N/A
Evaporation rate:	N/A
Solubility in water:	Some
Partition coefficient (n-octanol/water):	N/A
VOC content:	< 1%; < 6 g/l (California SCAQMD Method 316B) (Estimated)
Viscosity:	900-1100 cps..
Decomposition temperature:	N/A

10. STABILITY AND REACTIVITY

Stability:	Material is stable under recommended storage conditions.
Hazardous reactions:	Polymerization may occur at elevated temperatures.
Hazardous decomposition products:	Oxides of carbon, sulfur and nitrogen. Irritating organic vapors.
Incompatible materials:	Strong oxidizing agent. Free radical initiators. Oxygen scavengers.
Reactivity:	Not available.
Conditions to avoid:	Elevated temperatures and sources of ignition. Avoid incompatible materials.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Ingestion, Eyes

Potential Health Effects/Symptoms

Inhalation: May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, which may cause headaches, dizziness, anesthesia and drowsiness.

Skin contact: May cause skin irritation. Prolonged skin contact may cause allergic reaction. May cause sensitization of skin.

Eye contact: Causes irritation to eyes.

Ingestion: May cause gastrointestinal tract irritation if swallowed.

Aspiration: No data available.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
2-Carboxyethyl Acrylate	None	Irritant
Cumene Hydroperoxide	None	Irritant, allergen
N,N-Dimethyl-P-Toluidine	None	Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
2-Carboxyethyl Acrylate	No	No	No
Cumene Hydroperoxide	No	No	No
N,N-Dimethyl-P-Toluidine	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Biodegradable. No bioaccumulation potential Negligible ecotoxicity..

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Follow all local, state, federal and provincial regulations for disposal. May be disposed by supervised incineration at very high temperatures.

Hazardous waste number: Not subject to RCRA regulations (40 CFR 261).

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated.
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Exceptions:

Primary packs containing less than 500ml are unregulated by these modes of transport and may be shipped unrestricted.

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated.

Hazard class or division: None

Identification number: None

Packing group: None

Marine pollutant: No

15. REGULATORY INFORMATION

United States Regulatory Information

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 minimis.

CERCLA/SARA Section 302 EHS: None above reporting de minimis.

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

CERCLA/SARA Section 313: None above reporting de minimis.

ODS This product does not contain nor is it manufactured with ozone depleting substances.

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

16. OTHER INFORMATION

REACH & RoHS2.0 Compliant

Schedule B HS #3506990000

Ingredients are not currently designated as hazardous substances under current OSHA guidelines.

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, BSI does not assume responsibility for any results obtained by persons over whose methods BSI has no control. It is the user's responsibility to determine the suitability of BSI's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any BSI's products. In light of the foregoing, BSI specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of BSI's products. BSI further disclaims any liability for consequential or incidental damages of any kind, including lost profits.