

# MATERIAL SAFETY DATA SHEET

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## Section 1. Chemical Product and Company Identification

Product Code BL32-128"1	
Product Name BL BLUE LUBRICANT	
Manufacturer's Name Mark V Laboratory, Inc.	Emergency Telephone Number CHEMTREC 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 18 Kripes Road	Telephone Number For Information (860) 653-7201
Post Office Box 540	Date Prepared July 1, 2013
East Granby, Connecticut 06026	Signature of Preparer (optional)

## Section 2. Composition / Information on Ingredients

Component	CAS Registry#	wt. %	Exposure Limits	
			ACGIH TLV	OSHA PEL
Ethanol	64-17-5	70-85	1000ppm	1900mg/m3
Propen-2-ol	67-63-0	5-15	N/A	N/A
Ethylene glycol	107-21-1	5-15	N/A	100mg/m3
Blue dye	81457-64-9	< 0.1	N/A	N/A

## Section 3. Hazards Identification

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### EMERGENCY OVERVIEW

This product has been classified according to the legislation in force: F; R11

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**PHYSICAL AND CHEMICAL HAZARDS:** The product is highly flammable.

**HUMAN HEALTH:** Organic solvents may be absorbed into the body by inhalation and ingestion and cause permanent damage to the nervous system, including the brain. The liquid may irritate the skin, eyes, and the respiratory tract.

**ENVIRONMENT:** The product is not expected to be hazardous to the environment.

## Section 4. First Aid Measures

**INHALATION:** Move into fresh air and keep at rest.

**EYE CONTACT:** Immediately flush with plenty of water for 15 minutes. Remove any contact lenses open eyelids widely. If irritation persists, continue flushing during transport to hospital.

Product: Blue Lubricant

**SKIN CONTACT:** Remove contaminated clothes and rinse skin thoroughly within water.

**INGESTION:** Immediately rinse mouth and drink plenty of water. Observe and if person becomes uncomfortable seek medical attention.

### Section 5. Fire Fighting Measures

**FLAMMABLE PROPERTIES:**

FLASH POINT: 12C 53.6F

METHOD USED: Pensky-Martens Closed Cup

**FLAMMABLE LIMITS**

LFL: N/A

UFL: N/A

**EXTINGUISHING MEDIA:** Alcohol resistant foam, CO, dry powder or water fog. cool containers exposed to heat within water spray and remove container.

**FIRE & EXPLOSION HAZARDS:** Vapors are heavier than air and may travel along floor and bottom of container. Highly flammable and explosive mixtures may form at room temperature.

**FIRE FIGHTING EQUIPMENT:** Use air-supplied respirator.

### Section 6. Accidental Release Measures

Do not discharge into drains watercourses, or ground. Large quantities should be absorbed with a non-combustible material. Do not smoke or use open fire.

### Section 7. Handling and Storage

Avoid inhalation and contact. Do not smoke. Local exhaust is recommended. Store in a cool well-ventilated area. Avoid oxidizing agents.

### Section 8. Exposure Controls / Personal Protection

**ENGINEERING CONTROLS:** Provide adequate ventilation.

**RESPIRATORY PROTECTION:** Use gas filter type A2

**SKIN PROTECTION:** N/A

**EYE PROTECTION:** Wear goggles or face shield.

### Section 9. Physical and chemical Properties

<b>APPEARANCE:</b>	Blue liquid	<b>PHYSICAL STATE:</b>	Liquid
<b>BOILING POINT:</b>	85c 185f	<b>SOLUBILITYINWATER:</b>	Miscible w/water
<b>EVAPORATION RATE:</b>	N/A	<b>SPECIFIC GRAVITY:</b>	N/A
<b>FREEZING POINT:</b>	N/A	<b>VAPOR DENSITY:</b>	N/A
<b>MELTING POINT:</b>	N/A	<b>VAPOR PRESSURE:</b>	
<b>MOLECULAR WEIGHT:</b>		<b>VISCOSITY:</b>	
<b>ODOR:</b>	Odor of alcohol	<b>% VOLATILE:</b>	2-12
<b>pH:</b>	Not relevant		

Product: Blue Lubricant

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### Section 10. Stability and Reactivity

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**CHEMICAL STABILITY:** Stable under normal temperatures.

**INCOMPATIBILITY:** Direct sunlight, heating, oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

**HAZARDOUS POLYMERIZATION:** Will not occur.

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### Section 11. Toxicological Information

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**EYE:** Splashes may irritate.

**SKIN:** Prolonged contact may cause redness, irritation and dry skin. Contains 2-propanol which may penetrate the skin.

**INGESTION:** May irritate and cause malaise.

**INHALATION:** Vapors may irritate throat and respiratory system. May cause cough, headache, dizziness, and dullness. Unconsciousness, brain, liver and nervous system damage.

**SPECIFIC EFFECTS:** Frequent inhalation may cause irritability, fatigue, memory failure, permanent damage to the nervous system, including the brain, and possibly kidneys.

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### Section 12. Ecological Information

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**ECOTOXICOLOGICAL INFORMATION:** This product is not expected to be hazardous to the environment.

**MOBILITY:** The product is miscible in water. May spread in water systems. The product contains organic solvents which will evaporate easily from all surfaces.

**DEGRADABILITY:** The product is biodegradable.

**BIOACCUMULATIVE POTENTIAL:** The product is not bioaccumulating.

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### Section 13. Disposal Considerations

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Dispose of as non-hazardous waste in accordance with local, state and federal regulations.

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### Section 14. Transport Information (Not meant to be all inclusive)

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<b>D.O.T. SHIPPING NAME:</b>	Flammable Liquid
<b>TECHNICAL SHIPPING NAME:</b>	Flammable Liquid N.O.S. (Ethanol)
<b>D.O.T. HAZARD CLASS:</b>	Flammable
<b>U.N. / N.A. NUMBER:</b>	UN1993
<b>PRODUCT RQ (LBS):</b>	N/A
<b>D.O.T. LABEL:</b>	Flammable
<b>D.O.T. PLACARD:</b>	Flammable
<b>FREIGHT CLASS BULK:</b>	N/A
<b>FREIGHT CLASS PACKAGE:</b>	N/A
<b>PRODUCT LABEL:</b>	BL32-128

Product: Blue Lubricant

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**Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)**

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OSHA STATUS: Yes

TSCA STATUS: Yes

CERCLA REPORTABLE QUANTITY: N/A

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: No

CALIFORNIA PROPOSITION 65: No

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**Section 16. Other Information**

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**MSDS STATUS:**

NOTE: The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.