



# Boston Laboratory Lens Cleaner

## MATERIAL SAFETY DATA SHEET

Effective Date: 2/22/08 Supersedes: 6/22/95

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### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Boston Laboratory Lens Cleaner  
**Product Code(s):** IP-2167  
**Manufacturer:** Bausch & Lomb, Incorporated  
**Address:** 1400 N. Goodman Street  
Rochester, New York 14609

**For Information:** 1-800-553-5340  
**For Emergency:** 1-800-535-5053

### Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	COMPONENT NAME	% W/W	OCCUPATIONAL EXPOSURE LIMITS / GUIDELINES										UNITS
			OSHA PEL		ACGIH TLV		NIOSH REL		IRELAND		HSE		
			TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	TWA /STEL	
9003-11-6	Pluronic F127	< 5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
67-63-0	Isopropyl Alcohol	< 10	400	NE	200	400	400	500	400	500	400	500	PPM
12765-39-8	Tauranol WS-Concentrate	< 5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
25322-68-3	Polyox WSR-301	< 1	15*5**	NE	NE	NE	NE	NE	NE	NE	NE	NE	MG/M3
56-81-5	Glycerol, UPS	< 1	15*5**	NE	10	NE	NE	NE	10	NE	10	NE	MG/M3
9036-19-5	Triton X-100	< 5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
99-76-3	Methylparaben	< 1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Distilled Water	< 80	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA

N/E: Not Established  
N/A: Not Applicable  
ACGIH: American Conference of Governmental Industrial Hygienists  
NIOSH: National Institute for Occupational Safety & Health  
LFC: Lowest Feasible Concentration  
PPM: Parts Per Million  
\*: Total Dust \*\*: Respirable Dust  
q.s.: Sufficient Quantity

TWA: 8-Hour Time-Weighted Average  
STEL: Short-Term Exposure Limit  
C: Ceiling Limit  
REL: Recommended Exposure Limit  
OSHA: Occupational Safety & Health Administration  
mg/m<sup>3</sup>: Milligrams Per Cubic Meter  
mppcf: Million Particles Per Cubic Foot

### Section 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

***Boston Laboratory Lens Cleaner is colorless, particulate free liquid. This product is use as a cleaning agent when manufacturing Rigid Contact Lenses, in accordance with labeled instructions. Not for resale or distribution to the customer. This product is "For Professional Use Only". It is not to be administered to the eyes or through any other routes of exposure. Keep this and all drugs out of the reach of children.***

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#### Section 3: HAZARDS IDENTIFICATION (cont.)

##### PRECAUTIONS:

This product is used as a cleaner during the manufacturing of fluoro silicone acrylate and silicone acrylate rigid gas permeable (RGP) contact lenses. It is "**For Professional Use Only**". It is **not for sale or distribution to the customer**. Use only in accordance with product literature. It is not to be administered to the eyes or through any other routes of exposure. Keep this and all drugs out of the reach of children. If you are allergic to any ingredient in this product, **DO NOT USE. Not for use with soft (hydrophilic) contact lenses.**

##### POTENTIAL HEALTH EFFECTS

###### EYE:

Can cause severe eye irritation.

###### SKIN:

Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).

###### INGESTION:

Not expected to be an exposure route. However, may be irritating to mouth, throat, stomach and intestinal tract.

###### INHALATION:

Not expected to be an exposure route. However, the breathing of mists may cause respiratory tract irritation.

##### CHRONIC HEALTH EFFECTS

No known chronic hazards.

##### CARCINOGENICITY:

**NTP:** No ingredients listed.

**IARC:** No ingredients listed.

**OSHA:** No ingredients listed.

#### Section 4: FIRST AID MEASURES

##### EYES:

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

##### SKIN:

No Wash thoroughly with soap and water. Get medical attention if irritation or other symptoms develop or persist.

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#### Section 4: FIRST AID MEASURES (cont.)

##### **INGESTION:**

If swallowed, contact the Poison Control Center and obtain appropriate medical attention immediately.

##### **INHALATION:**

If exposed to excessive levels of mists, remove to fresh air. Get medical attention if cough or other symptoms develop.

#### Section 5: FIRE FIGHTING MEASURES

##### **FLAMMABLE PROPERTIES:**

**Flash Point:** Non-Combustible

**Method:** NA

##### **EXTINGUISHING MEDIA:**

Water spray, carbon dioxide, dry chemical powder or appropriate foam for surrounding fire.

##### **HAZARDOUS COMBUSTION PRODUCTS:**

None identified.

##### **SPECIAL FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus and full protective gear.

#### Section 6: ACCIDENTAL RELEASE MEASURES

##### **General Information:**

Contain spill and absorb with a suitable inert material, then place in a chemical waste container. Dispose of in accordance with Section 13.

#### Section 7: HANDLING AND STORAGE

##### **HANDLING:**

No special handling is required. Use in accordance with product literature.

##### **STORAGE:**

Store at room temperature. Do not expose to excessive heat. Avoid freezing.

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### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### RESPIRATORY PROTECTION:

No special controls or personal protection required under conditions of intended use.

#### SKIN PROTECTION:

No special controls or personal protection required under conditions of intended use.

#### EYE PROTECTION:

No special controls or personal protection required under conditions of intended use.

#### ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

NA

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### PHYSICAL PROPERTIES:

**Appearance / Physical State:** Clear, Colorless Liquid  
**Odor:** No Odor

#### CHEMICAL PROPERTIES:

<b>Boiling Point:</b>	Not Determined	<b>Melting Point:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Determined	<b>Vapor Density:</b>	Not Determined
<b>Solubility In Water:</b>	Soluble	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	Not Determined
<b>pH:</b>	7.0 – 8.5	<b>Freezing Point:</b>	Not Determined

**Molecular Weight:** Mixture, Not Applicable

### Section 10: STABILITY AND REACTIVITY

#### GENERAL:

Stable under normal conditions.

#### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

None.

#### HAZARDOUS POLYMERIZATION:

Will not occur.

#### HAZARDOUS DECOMPOSITION:

None identified.

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### Section 11: TOXICOLOGICAL INFORMATION

**RTECS No.:** MD0907950

**Pluronic F127**

**Toxicity Data:** ORL-RAT LD50: 5700 MG/KG

**RTECS No.:** MD0907600

**Triton X-100**

**Toxicity Data:** ORL-RAT LD50: 4190 MG/KG

**RTECS No.:** NT8050000

**Isopropyl Alcohol**

**Toxicity Data:** ORL-RAT LD50: 5045 MG/KG

**RTECS No.:** NA

**Tauranol WS Concentrate**

**Toxicity Data:** ORL-RAT LD50: >5 G/KG\*

**RTECS No.:** ZD2465300

**Polyox WSR-301**

**Toxicity Data:** INTRAVENOUS-RAT LDLo: 3 MG/KG

**RTECS No.:** MA8050000

**Glycerol, UPS**

**Toxicity Data:** ORL-RAT LD50: 12600 MG/KG

**RTECS No.:** MD0907600

**Triton X-100**

**Toxicity Data:** ORL-RAT LD50: 4190 MG/KG

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### Section 11: TOXICOLOGICAL INFORMATION (cont.)

RTECS No.: DH2450000

#### Methylparaben

Toxicity Data: ORL-RAT LD50: 2100 MG/KG

**NOTE:** Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

(\*) Toxicological data supplied by the manufacturer.

### Section 12: ECOLOGICAL INFORMATION

No data available on the environmental impact of this product.

### Section 13: DISPOSAL CONSIDERATIONS

All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

### Section 14: TRANSPORT INFORMATION

	US DOT	IATA	IMO	RID/ADR	Canadian DG
Shipping Name:	Not Regulated	Not Regulated	No Information Available	No Information Available	No Information Available
Hazard Class:	NA	NA			
UN Number:	NA	NA			
Package Group:	NA	NA			

There are no unreasonable risks (health, safety, or property), that this product would pose when transported in commerce. Hazard class definitions (49 CFR, Part 173) are not applicable to this product.

### Section 15: REGULATORY INFORMATION

#### OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Boston Laboratory Lens Cleaner is considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

#### TOXIC SUBSTANCE CONTROL ACT (TSCA):

All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirements.

#### SARA TITLE III (Superfund Amendments and Reauthorization Act):

SECTION 302 (Extremely Hazardous Substances): No Components Listed  
SECTION 311, 312 (Hazard Categories): Acute  
SECTION 313 (Toxic Chemicals): No Components Listed

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#### Section 16: OTHER INFORMATION

##### **CALIFORNIA PROPOSITION 65:**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels that would require a warning under the statute.

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