



Boston Cleaner

MATERIAL SAFETY DATA SHEET

Effective Date: 8/28/06 Supersedes: 7/29/93

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Boston Cleaner
Product Code(s): 6101
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 TWA /STEL	ACGIH TLV TWA /STEL	NIOSH REL TWA /STEL	IRELAND TWA /STEL	HSE TWA /STEL							
7647-14-5	Sodium Chloride	< 11	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
68917-18-0	Alpine Scent 23 - 599	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
13463-67-7	Titanium Dioxide	< 1	15*	NE	10	NE	LFC	NE	10*4**	NE	10*4**	NE	mg/m ³	
63231-67-4	Syloid 72 FP	< 5	6	NE	10	NE	6	NE	6*2.4**	NE	6*2.4**	NE	mg/m ³	
25446-78-0	Cedepal TD-403	< 35	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA	
7732-18-5	Purified Water, USP	q.s. 100	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA	
TOTAL		100												

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/m³: Milligrams Per Cubic Meter

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Boston Cleaner is an aqueous white, slightly fragrant liquid. This product is intended for use as a cleaning care regimen for fluoro silicone acrylate and silicone acrylate rigid gas permeable contact lenses. Do not use with soft (hydrophilic) contact lenses. 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 intended for use as a cleaning care regimen for fluoro silicone acrylate and silicone acrylate rigid gas permeable (RGP) contact lenses. Do not use with soft (hydrophilic) contact lenses. It is not to be administered to the eyes or through any other routes of exposure. Use only in accordance with product literature. Keep this and all drugs out of the reach of children.

If you are allergic to any ingredient in this product, **DO NOT USE**.

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: CAS# 13463-67-7: Group 3 carcinogen (The agent is not classifiable as to its carcinogenicity to humans)

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. 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: Aqueous White Liquid
Odor: Slight Mint fragrance

CHEMICAL PROPERTIES:

Boiling Point:	Not Determined	Melting Point:	Not Applicable
Vapor Pressure:	Not Determined	Vapor Density:	Not Determined
Solubility In Water:	Highly Soluble	Specific Gravity (H2O = 1):	1.07 – 1.10
pH:	6.0 – 8.0	Freezing Point:	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.: VZ4725000

Sodium Chloride

Toxicity Data: ORL-RAT LD50: 3 GM/KG
ORL-MOUSE LD50: 4 GM/KG

RTECS No.: GM4440000

Alpine Scent

Toxicity Data: ORL-RAT LD50: 1240 MG/KG

RTECS No.: XR2275000

Titanium Dioxide

Irritation Data SKN-HUMAN 300 UG/3D (MILD)

RTECS No.: VV7340000

Syloid 72 FP

Toxicity Data: ORL-RAT LD50: >31,600 MG/KG*

RTECS No.: NA

Cedepal TD- 403

Toxicity Data: ORL-RAT LD50: 49560MG/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.

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

TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 13463-67-7 is listed on the TSCA Inventory.
CAS# 25446-78-0 is listed on the TSCA Inventory.
CAS# 7732-18-5 is listed on the TSCA Inventory.
CAS# 68917-18-0 is listed on the TSCA Inventory.
CAS# 7647-14-5 is listed on the TSCA Inventory.
CAS# 63231-67-4 is listed on the TSCA Inventory.

SARA TITLE III (Superfund Amendments and Reauthorization Act):

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

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.

Section 16: OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate. However, neither Bausch & Lomb Incorporated nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of 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. NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE IS MADE. In no event shall Bausch & Lomb Incorporated or any of its subsidiaries be liable for any special, incidental or consequential damages.