



Improved Formula Bausch & Lomb Boston Conditioning Solution

MATERIAL SAFETY DATA SHEET

Effective Date: 1/7/2010 Supersedes:

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Improved Formula Bausch & Lomb
Boston Conditioning Solution

Product Code(s): 625610

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/V	OCCUPATIONAL EXPOSURE LIMITS / GUIDELINES										UNITS	
			OSHA PEL TWA /STEL	ACGIH TLV TWA /STEL	NIOSH REL TWA /STEL	IRELAND TWA /STEL	HSE TWA /STEL							
18472-51-0	Chlorohexidine Gluconate, 20%	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
139-33-3	Disodium Edetate	0.05	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
9003-11-6	Poloxamer 407	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
9004-62-0	Hydroxyethylcellulose	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
68610-92-4	Polyquaternium 10	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
25213-24-5	Polyvinylalcohol	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7447-40-7	Potassium Chloride	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7778-77-0	Potassium Phosphate	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7647-14-5	Sodium Chloride	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7558-79-4	Sodium Phosphate	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified Water	<u>q.s.</u> 100	NE	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
REL: Recommended Exposure Limit
TWA: 8-Hour Time-Weighted Average

OSHA: Occupational Safety & Health Administration
STEL: Short-Term Exposure Limit
C: Ceiling Limit
PPM: Parts Per Million
MG/M3: Milligrams Per Cubic Meter
q.s.: Sufficient Quantity

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Improved Boston Conditioning Solution is a clear liquid with no odor. This product is indicated for wetting, disinfecting and soaking (after cleaning and rinsing) of fluoro silicone acrylate and silicone acrylate rigid gas permeable contact lenses and hard/PMMA lenses. Not for use with soft (hydrophilic) contact lenses. If you are allergic to any ingredient in this product, DO NOT USE. Keep out of the reach of children.

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Section 3: HAZARDS IDENTIFICATION (cont.)

PRECAUTIONS:

This product is indicated for wetting, disinfecting and soaking (after cleaning and rinsing) of fluoro silicone acrylate and silicone acrylate rigid gas permeable contact lenses and hard/PMMA lenses. Not for use with soft (hydrophilic) contact lenses. If any discomfort develops, immediately discontinue use of this product. If discomfort persists, contact your eye care professional. Use in accordance with product literature.

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

Keep out of the reach of children.

POTENTIAL HEALTH EFFECTS

EYE:

Non-irritating to the eyes when used as directed.

SKIN:

Non-irritating to skin or mucous membranes when used as directed.

INGESTION:

Small amounts (a tablespoonful) swallowed are not likely to cause injury; swallowing amounts larger than that may cause gastrointestinal irritation.

INHALATION:

No hazard when used as directed.

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:

If discomfort or irritation develops, immediately discontinue product use and contact your eye care professional.

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Section 4: FIRST AID MEASURES (cont.)

SKIN:

No specific treatment is necessary since this material is not likely to be hazardous by contact with the skin or mucous membranes.

INGESTION:

No specific treatment is necessary since this material is not likely to be hazardous by ingestion. If large quantities are accidentally ingested (greater than a tablespoon), get medical attention immediately.

INHALATION:

No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of mists remove to fresh air and 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.

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Section 7: HANDLING AND STORAGE (cont.)

STORAGE:

Store at room temperature to maintain product integrity. Avoid freezing.

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, Water-Like
Odor: Odorless

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):	1.006
pH:	7.0 – 7.5	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.

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Section 10: STABILITY AND REACTIVITY (cont.)

HAZARDOUS POLYMERIZATION:

Will not occur.

HAZARDOUS DECOMPOSITION:

None identified.

Section 11: TOXICOLOGICAL INFORMATION

RTECS No.: DU1950000

Chlorohexidine Gluconate

Toxicity Data: ORL-RAT LD50: 2 GM/KG

RTECS No.: AH43750000

Disodium Edetate

Toxicity Data: ORL-MOUSE LD50: 2 GM/KG

RTECS No.: FJ5958000

Hydroxypropylmethylcellulose

Toxicity Data: INTRAPERITONEAL-MOUSE (F) TDLo: 500 MG/KG

RTECS No.: NA

Polyvinylalcohol

Toxicity Data: ORL-RAT LD50: > 5000 MG/KG*

RTECS No.: TS8050000

Potassium Chloride

Toxicity Data: ORL-RAT LD50: 2600 MG/KG

RTECS No.: TC6615500

Potassium Phosphate

Toxicity Data: ORL-RAT LD50: No Data Listed

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Section 11: TOXICOLOGICAL INFORMATION (cont.)

RTECS No.: VZ4725000

Sodium Chloride

Toxicity Data: ORL-RAT LD50: 3.0 GM/KG

WC4500000

RTECS No.:

Sodium Phosphate

Toxicity Data: ORL-RAT LD50: 17.0 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.

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Section 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Improved Formula Bausch & Lomb Boston Conditioning Solution is considered non-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): 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.