



Boston Simplicity Multi-Action Solution

MATERIAL SAFETY DATA SHEET

Effective Date: 9/27/06 Supersedes: 2/8/96

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Boston Simplicity Multi-Action Solution
Product Code(s): 5200,5205,5208,5209,5211,5400,5412,5422,625215,625217
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							
18472-51-0	Chlorohexidine Gluconate, 20%	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
139-33-3	Disodium Edetate	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
68239-42-9	Glucam E-20	< 0.5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
9004-65-3	Hydroxypropyl methyl cellulose E4M	< 1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
NA	Tego Betaine L7V (30%)	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
9005-64-5	Tween - 20	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
NA	Silicone 193 Surfactant	< 0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7447-40-7	Potassium Chloride	< 0.3	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	< 0.5	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
32289-58-0	PAPB HCL (20%)	< 0.01	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified Water	q.s. 100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

N/E: Not Established

N/A: Not Applicable

ACGIH: American Conference of Governmental Industrial Hygienists

NIOSH: National Institute for Occupational Safety & Health

OSHA: Occupational Safety & Health Administration

TWA: 8-Hour Time-Weighted Average

STEL: Short-Term Exposure Limit

C: Ceiling Limit

REL: Recommended Exposure Limit

PPM: Parts Per Million

MG/M3: Milligrams Per Cubic Meter

q.s.: Sufficient Quantity

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Boston Simplicity Multi-Action Solution is a clear, colorless liquid with no odor. This product is intended for use as a disinfecting regime for rigid gas permeable contact lenses, per labeled instructions. If you are allergic to any ingredient in this product, DO NOT USE.

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Section 3: HAZARDS IDENTIFICATION (cont.)

PRECAUTIONS:

This product is intended for use as a disinfecting regime for rigid gas permeable 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. Not for use with soft (hydrophilic) contact lenses. If you are allergic to any ingredient in this product, DO NOT USE.

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.

SKIN:

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

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Section 4: FIRST AID MEASURES (cont.)

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.

STORAGE:

Store at room temperature to maintain product integrity. Keep from 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: 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):	1.01
pH:	6.9 – 7.4	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.: 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.: NF9125000

Hydroxypropyl methyl cellulose

Toxicity Data: ORL-RAT No LD50 data listed

RTECS No.: NA

Tego Betaine L7V

Toxicity Data: NA

RTECS No.: TS8050000

Potassium Chloride

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

RTECS No.: TC6615500

Potassium Phosphate

Toxicity Data: ORL-RAT LDLo: 4640 MG/KG

RTECS No.: VZ4725000

Sodium Chloride

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

RTECS No.: WC4500000

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.

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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.

Section 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Boston Simplicity Multi-Action Solution is considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 18472-51-0 is listed on the TSCA Inventory.
CAS# 139-33-3 is listed on the TSCA Inventory.
CAS# 9004-65-3 is listed on the TSCA Inventory.
CAS# 9005-64-5 is listed on the TSCA Inventory.
CAS# 7447-40-7 is listed on the TSCA Inventory.
CAS# 7778-77-0 is listed on the TSCA Inventory.
CAS# 7647-14-5 is listed on the TSCA Inventory.
CAS# 7558-79-4 is listed on the TSCA Inventory.
CAS# 32289-58-0 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.

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Section 16: OTHER INFORMATION

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