



Sterile Preserved Saline Solution

MATERIAL SAFETY DATA SHEET

Effective Date: 11/07/05 Supersedes: 1/23/01

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sterile Preserved Saline Solution
Product Code: 620104
Chemical Family: NA
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	
10043-35-3	Boric Acid	< 1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7647-14-5	Sodium Chloride	< 1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
54-64-8	Thimerosal	0.001	NE	0.1(s)	0.1(s)	NE	NE	0.1(s)	NE	NE	NE	NE	MG/M ³
6381-92-6	Edetate Disodium	0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified Water, USP	> 97	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
TOTAL		100											

OSHA: Occupational Safety & Health Administration
 TWA: 8-Hour Time-Weighted Average
 PPM: Parts Per Million
 ACGIH: American Conference of Governmental Industrial Hygienists
 NIOSH: National Institute for Occupational Safety & Health

N/E: Not Established
 N/A: Not Applicable
 s: Skin Notation
 STEL: Short-Term Exposure Limit
 C: Ceiling Limit
 REL: Recommended Exposure Limit

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, colorless and odorless liquid. This product is intended for use during heat (thermal) disinfection, rinsing and storage of soft contact lenses. It is not to be ingested or administered through any other routes of exposure. Keep out of the reach of children.

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Section 3: HAZARDS IDENTIFICATION (cont.)

PRECAUTIONS:

This product is intended for use during heat (thermal) disinfection, rinsing and storage of soft contact lenses. If eye discomfort, excessive tearing, vision changes, or redness of the eye is experienced, immediately remove contact lenses and promptly contact your eye care practitioner. Use in accordance with your eye care practitioner's directions and all product literature. If you are allergic to any ingredient in this product, **DO NOT USE**. Keep this and all drugs out of the reach of children.

POTENTIAL HEALTH EFFECTS

EYE:

Non-irritating to the eyes when used as directed. May be irritating to the eyes of individuals who are hypersensitive to organic mercury compounds.

SKIN:

Non-irritating to skin and mucous membranes when used as directed. May be irritating to the skin and mucous membranes of individuals who are hypersensitive to organic mercury compounds.

INGESTION:

Small amounts (a tablespoonful) swallowed are not likely to cause injury. However; swallowing larger amounts may be harmful.

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.

REPRODUCTION INFORMATION:

CAS # 54-64-8: Certain organic mercury compounds may cause reproductive disorders based on tests with laboratory animals.

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. If discomfort or irritation develops, immediately discontinue product use.

INGESTION:

Although small amounts (a tablespoonful) swallowed are not likely to cause injury, Bausch & Lomb Sterile Preserved Saline Solution contains 0.001% thimerosal, an organic mercury compound. If it is accidentally ingested, seek 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 all product literature.

STORAGE:

Store at room temperature to maintain product integrity.

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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):	Not Determined
pH:	7.1 – 7.3	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:

To maintain product integrity, avoid excessive heat or cold.

Section 10: STABILITY AND REACTIVITY (cont.)

HAZARDOUS POLYMERIZATION:

Will not occur.

HAZARDOUS DECOMPOSITION:

None identified.

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Section 11: TOXICOLOGICAL INFORMATION

RTECS No.: ED4550000

Boric Acid

Toxicity Data: ORL-RAT LD50: 2660 MG/KG
ORL-HUMAN LDLO: 429 MG/KG

Irritation Data: SKN-HUMAN 15 MG/3D (MILD)

RTECS No.: VZ4725000

Sodium Chloride

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

RTECS No.: OV8400000

Thimerosal

Toxicity Data: ORL-RAT LD50: 75 MG/KG
ORL-HUMAN TDLO: 83 MG/KG

Irritation Data: EYE-RABBIT 8 UG (MILD)

RTECS No.: AH4410000

Edetate Disodium

Toxicity Data: ORL-RAT LD50: 2000 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.

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):

Bausch & Lomb Sterile Preserved Saline Solution is considered non-hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 10043-35-3 is listed on the TSCA Inventory.
CAS# 7647-14-5 is listed on the TSCA Inventory.
CAS# 54-64-8 is listed on the TSCA Inventory.
CAS# 6381-92-6 is listed on the TSCA Inventory.
CAS# 7732-18-5 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): CAS# 54-64-8: Mercury compounds are subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373

CALIFORNIA PROPOSITION 65:

This product contains chemical(s) known to the State of California to cause reproductive / developmental toxicity: CAS# 54-64-8, listed as mercury and mercury compounds.

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.