



Advanced Eye Relief™ Dry Eye Environmental Lubricant Eye Drops

MATERIAL SAFETY DATA SHEET

Effective Date: 3/20/07 Supersedes: 2/24/06

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Advanced Eye Relief™ Dry Eye Environmental Lubricant Eye Drops

For Information: 1-800-553-5340

For Emergency: 1-800-535-5053

Product Code(s): 622211

Manufacturer: Bausch & Lomb, Incorporated

Address: 1400 N. Goodman Street
Rochester, New York 14609

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	
7647-14-5	Sodium Chloride	<2.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7447-40-7	Potassium Chloride	<2.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
1303-96-4	Sodium Borate	<2.0	NE	NE	2	6	5	NE	5	NE	5	NE	MG/M3
10043-35-3	Boric Acid	<2.0	NE	NE	2	6	NE	NE	NE	NE	NE	NE	MG/M3
56-81-5	Glycerine	1	15*5**	NE	10	NE	NE	NE	10	NE	10	NE	MG/M3
8001-54-5	Benzalkonium Chloride (50%)	0.01	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
139-33-3	Edetate Disodium	<0.1	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified water	Balance											
TOTAL		100***											

N/E: Not Established OSHA: Occupational Safety & Health Administration
N/A: Not Applicable PPM: Parts Per Million MG/M3: Milligrams Per Cubic Meter
ACGIH: American Conference of Governmental Industrial Hygienists
NIOSH: National Institute for Occupational Safety & Health

* Total Mist

** Respirable Mist

*** pH balanced with sodium hydroxide and/or hydrochloric acid

TWA: 8-Hour Time-Weighted Average

STEL: Short-Term Exposure Limit

C: Ceiling Limit

REL: Recommended Exposure Limit

Section 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear liquid with no odor. This product is intended for use as an eye drop. If you are allergic to any ingredient in this product, DO NOT USE.

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Section 3: HAZARDS IDENTIFICATION (cont.)

PRECAUTIONS:

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.

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.

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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, 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
pH:	6.0-7.8	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.: 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.: SC7310000

Sodium Borate

Toxicity Data:	ORL-MOUSE	LD50: 3250 MG/KG
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RTECS No.: VZ4725000

Sodium Chloride

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

RTECS No.: TS8050000

Potassium Chloride

Toxicity Data:	ORL-RAT	LD50: 2600 MG/KG
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RTECS No.: MA8050000

Glycerine

Toxicity Data:	ORL-RAT	LD50: 12600 MG/KG
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RTECS No.: BO3150000

Zephiran Chloride

Toxicity Data:	ORL-RAT	LD50: 240 MG/KG
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RTECS No.: AH4375000

Edetate Disodium

Toxicity Data:	ORL-RAT	LD50: 2 G/KG
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NOTE: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

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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. 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):

Advanced Eye Relief™ Dry Eye Environmental Lubricant Eye Drops is considered non-hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

TOXIC SUBSTANCE CONTROL ACT (TSCA):

All ingredients are 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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