



# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Effective Date: 11/11/05 Supersedes: 8/20/99

Page 1 of 7

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ReNu Preservative Free Lubricating & Rewetting Drops      **For Information:** 1-800-553-5340  
**Product Code(s):** 625224      **For Emergency:** 1-800-535-5053

**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		
1043-35-3	Boric Acid	1.0	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
1303-96-4	Sodium Borate	<1.0	NE	NE	2	6	5	NE	5	NE	5	NE	MG/M3
81919-14-4	Bendazac Lysine Dihydrate	<1.0	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	NA
NA	Methocel™ E4M Premium Hydroxypropyl Methylcellulose	<1.0	NE*	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified Water	> 98	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

\* 10 mg/m3: Dow Chemical Company recommended 8-hour TWA exposure limit for hydroxypropyl methylcellulose.

N/E: Not Established      OSHA: Occupational Safety & Health Administration      TWA: 8-Hour Time-Weighted Average  
N/A: Not Applicable      PPM: Parts Per Million      STEL: Short-Term Exposure Limit  
ACGIH: American Conference of Governmental Industrial Hygienists      C: Ceiling Limit  
NIOSH: National Institute for Occupational Safety & Health      REL: Recommended Exposure Limit

### Section 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

***Clear, slightly viscous liquid with no odor. This product is intended for use with soft (hydrophilic) contact lenses to lubricate, cushion and rewet lenses during wear. Use in accordance with product literature. If you are allergic to any ingredient in this product, DO NOT USE.***

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Page 2 of 7

### Section 3: HAZARDS IDENTIFICATION (cont.)

#### **PRECAUTIONS:**

This product is intended for use with soft (hydrophilic) contact lenses to moisten and lubricate lenses while wearing, and to relieve minor eye irritation, discomfort and burning. If discomfort persists, immediately remove lens and 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.

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Page 3 of 7

### 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.

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Page 4 of 7

### 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, slightly viscous liquid  
**Odor:** Odorless

#### CHEMICAL PROPERTIES:

<b>Boiling Point:</b>	Not Determined	<b>Melting Point:</b>	Not Applicable
<b>Vapor Pressure:</b>	Not Determined	<b>Vapor Density:</b>	Not Determined
<b>Solubility In Water:</b>	Highly Soluble	<b>Specific Gravity (H2O = 1):</b>	Not Applicable
<b>pH:</b>	6.8-7.6	<b>Freezing Point:</b>	Not Determined
<b>Molecular Weight:</b>	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.

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

### Section 11: TOXICOLOGICAL INFORMATION

**RTECS No.:** ED4550000

#### Boric Acid

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

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

**RTEC No.:** SC7310000

#### Sodium Borate

**Toxicity Data:** ORL-MOUSE LD50: 3250 MG/KG

**RTEC No.:** OL5673000

#### Bendazac Lysine Dihydrate

**Toxicity Data:** ORL-RAT LD50: 3100 MG/KG  
ORL-MOUSE LD50: 1600 MG/KG

**RTEC No.:** TS8050000

#### Potassium Chloride

**Toxicity Data:** ORL-RAT LD50: 2600 MG/KG  
ORL-MOUSE LD50: 1500 MG/KG

**Irritation Data:** EYE-RABBIT 500 MG/24H MILD

**RTEC No.:** NE

#### Methocel E4M Premium Hydroxypropyl Methylcellulose

**Toxicity Data:** ORL-RAT LD50: >10,000 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.

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Page 6 of 7

### 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
<b>Shipping Name:</b>	Not Regulated	Not Regulated	No Information Available	No Information Available	No Information Available
<b>Hazard Class:</b>	NA	NA			
<b>UN Number:</b>	NA	NA			
<b>Package Group:</b>	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):

ReNu Preservative Free Lubricating & Rewetting Drops is considered non-hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

#### TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 110-44-1 is listed on the TSCA Inventory.  
CAS# 6381-92-6 is listed on the TSCA Inventory.  
CAS# 7647-14-5 is listed on the TSCA Inventory.  
CAS# 1303-96-44 is listed on the TSCA Inventory.  
CAS# 9004-65-3 is listed on the TSCA Inventory.  
CAS# 10043-35-3 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.

# ReNu Preservative Free Lubricating & Rewetting Drops

## MATERIAL SAFETY DATA SHEET

Page 7 of 7

### Section 16: OTHER INFORMATION

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