

**MATERIAL SAFETY DATA SHEET**

Effective Date: 5/10/04 Supersedes: None

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**Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** Pre-Moistened Lens Cleaning Tissue (Peel & Re-Seal) **For Information:** 1-800-553-5340  
**Product Code:** 1507GM **For Emergency:** 1-800-535-5053

**Chemical Family:** Solvent Blend

**Manufactured For:** Bausch & Lomb Incorporated  
**Address:** Vision Accessories  
 1400 N. Goodman Street  
 Rochester, New York 14603

**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						
67-63-0	Isopropyl Alcohol	< 35	400	NE	400	500	400	500	400	500	400	500	ppm
111-76-2	2-Butoxyethanol	< 5	50 (skin)	20	NE	5 (skin)							ppm
107-21-1	Ethylene Glycol	< 0.05	NE	NE	NE	C 100	NE	NE					mg/m <sup>3</sup>
NA	Non-Hazardous Ingredients	> 60	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
TOTAL		100											

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

**Section 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**Clear, colorless liquid on white paper tissue. Mild odor. Avoid contact with the eye. Causes eye irritation or burns with discomfort, tearing or blurring of vision, and possible permanent eye damage. Vapors may be irritating. Corneal injury may occur. May cause skin irritation or dryness. Vapors may cause irritation to the nose, throat and respiratory tract. Ingestion may cause gastric and intestinal irritation. Seek medical attention immediately.**

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

#### PRECAUTIONS:

This product is intended to be used as a lens cleaning agent for eyeglasses, safety glasses, face shields or other similar glass and plastic lens materials. If you are sensitive to any of its components, do not use. Use only in accordance with label instructions.

#### POTENTIAL HEALTH EFFECTS

##### EYE:

Avoid contact with the eye. Causes eye irritation or burns with discomfort, tearing or blurring of vision, and possible permanent eye damage. Vapors may be irritating. Corneal injury may occur.

##### SKIN:

Frequent or prolonged contact with skin or mucous membranes may cause irritation or dryness. Prolonged or widespread contact may result in the absorption of potentially harmful amounts of material.

##### INGESTION:

Not expected to be a significant exposure route. Mildly toxic by ingestion. Large amounts may cause nausea, dizziness, and diarrhea. Other effects of ingestion may include low blood pressure, rapid heart rate, shock and breathing difficulty. Liquid ingestion may result in vomiting; aspiration (breathing liquid into the lungs) must be avoided to prevent chemical pneumonitis and pulmonary edema/hemorrhage. May produce central nervous system depression. May cause kidney and liver damage.

##### INHALATION:

Not expected to be a significant exposure route. Vapor or mist may be irritating to mucous membranes and upper respiratory tract. Concentrated inhalation exposure can lead to central nervous system depression producing effects such as headaches, nausea, dizziness, and loss of consciousness. Extreme exposures may cause other central nervous system effects, including death.

#### OTHER HEALTH EFFECTS

Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product. Avoid simultaneous exposures to isopropyl alcohol and haloalkanes, such as chloroform, trichloroethane and carbon tetrachloride. Coexposure greatly increases the kidney and liver toxic effects of these haloalkanes, leading to hepatitis and kidney failure. Liver damage may be evidenced by loss of appetite, jaundice and pain in the upper abdomen on the right side.

#### CARCINOGENICITY:

NTP: NA

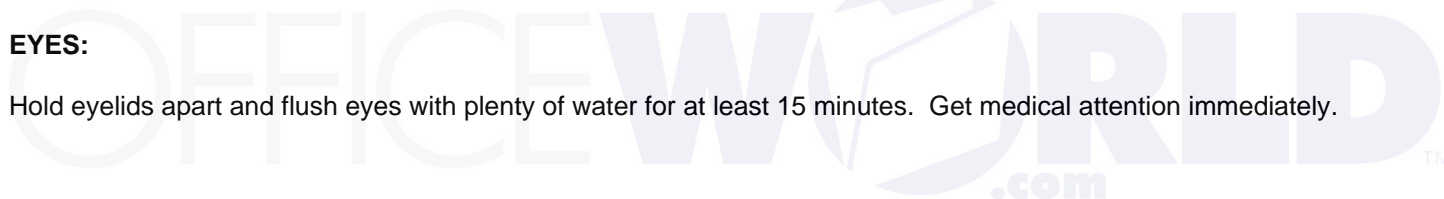
IARC: NA

OSHA: NA

### Section 4: FIRST AID MEASURES

#### EYES:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.



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### Section 4: FIRST AID MEASURES (cont.)

#### SKIN:

Wash affected skin thoroughly with soap and water. Get medical attention if irritation or other symptoms develop or persist.

#### INGESTION:

If swallowed, seek medical attention immediately.

#### INHALATION:

Normal use of this product does not pose an inhalation hazard. Should respiratory tract irritation develop, discontinue use and remove to fresh air. Get medical attention if irritation or other symptoms develop or persist.

#### NOTES TO PHYSICIAN:

If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube. Metabolism of isopropyl alcohol forms acetone, which may be detected in the urine and expired air. In contrast to diabetic acidosis, acidosis will occur in the absence of hyperglycemia. Hemodialysis should be considered in severe acute intoxications.

### Section 5: FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES:

**Flash Point:** 84°F (28.9°C)

**Method:** (TCC)

**Flammable Limits:** LEL: ~ 1.1 UEL: ~ 12

#### **EXTINGUISHING MEDIA:**

Carbon dioxide, dry chemical powder, appropriate foam or water fog.

#### **HAZARDOUS COMBUSTION PRODUCTS:**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

#### **SPECIAL FIRE FIGHTING INSTRUCTIONS:**

Evacuate area of unprotected personnel. Wear a NIOSH approved self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes. Cool fire-exposed containers with water spray. Run-off from fire may cause pollution.

#### **UNUSUAL FIRE EXPLOSION HAZARDS:**

**FLAMMABLE LIQUID.** Vapors are heavier than air. Vapors may settle in low or confined areas, or travel long distances along the ground or surface to a source of ignition where they may ignite, flashback or explode. Keep away from heat, sparks, flames, or other sources of ignition.

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### Section 6: ACCIDENTAL RELEASE MEASURES

FLAMMABLE MATERIAL. Eliminate all sources of ignition. Maintain adequate ventilation. Use appropriate personal protective equipment. Contain spilled material and place into drums for proper disposal. Soak up residue with non-flammable absorbant material. Place in leak-free containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs. Dispose of all wastes in accordance with Section 13.

### Section 7: HANDLING AND STORAGE

#### HANDLING:

No special handling is required under the conditions of intended use. Avoid contact with eyes. Avoid prolonged or repeated exposure to skin or mucous membranes. Wash thoroughly after handling. Do not swallow. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapors.

#### STORAGE:

Store product in a cool, well ventilated area away from heat, sparks or flames . Keep containers tightly closed. Aluminum equipment should not be used for storage and/or transfer. Store away from incompatable materials. Discard appropriately if package integrity is compromised.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS:

Use with good general ventilation. No special controls required under conditions of intended use..

#### 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. Wash thoroughly after skin contact.

#### EYE PROTECTION:

Avoid contact with the eye. No special controls or personal protection required under conditions of intended use.

#### ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

Eye-wash station, safety shower.



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### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

#### PHYSICAL PROPERTIES:

**Appearance / Physical State:** Clear, colorless moist white paper tissue  
**Odor:** Mild odor

#### CHEMICAL PROPERTIES:

<b>Boiling Point:</b>	NE	<b>Melting Point:</b>	Not Applicable
<b>Vapor Pressure:</b>	NE	<b>Vapor Density (air=1):</b>	> 1
<b>Solubility In Water:</b>	Complete	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.9474 @ 25 °C
<b>pH:</b>	NE	<b>Freezing Point:</b>	NE
<b>VOC's:</b>	100%	<b>Evaporation Rate (n-butyl acetate=1):</b>	NE

### Section 10: STABILITY AND REACTIVITY

#### GENERAL:

Stable under normal conditions.

#### INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Keep away from heat, sparks, flames. Keep away from strong oxidizing agents, acids, alkalies, ammonia, amines, isocyanates, aluminum, chlorinated compounds, aldehydes, halogens or halogen compounds, alkanolamines and ethylene oxide.

#### HAZARDOUS POLYMERIZATION:

Does not occur

#### HAZARDOUS DECOMPOSITION:

Thermal decomposition may produce carbon monoxide, carbon dioxide, and unidentifiable organic materials.

### Section 11: TOXICOLOGICAL INFORMATION

**RTECS No.:** NT8050000

#### Isopropyl Alcohol

<b>Toxicity Data:</b>	ORL-RAT	LD50: 5045 MG/KG
	IHL-RAT	LC50: 16000 PPM/8H
	SKN-RBT	LD50: 12800 MG/KG

<b>Irritation Data:</b>	EYE-RBT	100 MG SEV
	SKN-RBT	500 MG (MILD)

**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 specific ecological data are available for this product.

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### 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 sole responsibility of the waste generator.

### Section 14: TRANSPORT INFORMATION

	US DOT (Ground)	US DOT (Air)	IATA/ICAO *	IMO **	RID/ADR	Canadian TDG
Proper Shipping Name	Consumer Commodity	Consumer Commodity	Consumer Commodity	Solids Containing Flammable Liquids	Unknown	Unknown
Hazard Class:	ORM-D	ORM-D-Air		4.1		
UN Number:	None	None	ID 8000, 910 (Pkg.Inst.)	3175		
Packing Group	NA	NA	NA	II		
EMS Number:				F-A, S-1, FP 84 °F ( 28.9 °C)		

\* Must have Declaration of Dangerous Goods.

\*\* Must have Declaration of Dangerous Goods and UN packaging.

### Section 15: REGULATORY INFORMATION

#### OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

This product is considered 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): Acute, Chronic, Flammable  
SECTION 313 (Toxic Chemicals): Ethylene Glycol (107-21-1)

#### 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 which 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.

