



Fog Shield XP

MATERIAL SAFETY DATA SHEET

Effective Date: 8/23/05 Supersedes: 10/11/02

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Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Fog Shield XP
Product Code: 77, 8577

For Information: 1-800-553-5340
For Emergency: 1-800-535-5053

Chemical Family: NA

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 TWA /STEL	ACGIH TLV TWA /STEL	NIOSH REL TWA /STEL	IRELAND TWA /STEL	HSE TWA /STEL						
67-63-0	Isopropyl Alcohol	11	400	NE	200	400	400	500	400	500	400	500	ppm
Trade Secret	Silicones	< 6	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
	Other Non-Hazardous Ingredients	> 80	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, water-like liquid. Avoid eye contact. May cause skin irritation or dryness. Ingestion may cause gastric and intestinal irritation. Seek medical attention.

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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. May cause severe eye irritation.

SKIN:

Frequent or prolonged contact with skin or mucous membranes may cause irritation or dryness.

INGESTION:

May cause gastric and intestinal irritation if ingested.

INHALATION:

Not expected to be a significant exposure route. Vapor or mist may be irritating to mucous membranes and upper respiratory tract.

CHRONIC HEALTH EFFECTS

None identified.

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.

SKIN:

Skin irritation is not expected. Should irritation develop, discontinue use. 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.

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Section 4: FIRST AID MEASURES (cont.)

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.

Section 5: FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: 108°F Closed-Cup

Method: ASTM Method D3828-98

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:

As in any fire, wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

Section 6: ACCIDENTAL RELEASE MEASURES

Large Spill (\geq 4 liters):

Shut off all sources of ignition. Evacuate immediate area. Isolate hazard area. Prevent from entering drains and sewers. Wear suitable protective eyewear, clothing, respiratory protection, rubber boots and rubber gloves (refer to Section 8). Cover with vermiculite or other suitable inert material, pick up and place in closed containers. Transport outdoors and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Small Spill (< 4 liters):

Isolate hazard area. Prevent from entering drains and sewers. Wear suitable protective eyewear, clothing, respiratory protection, rubber boots and rubber gloves (refer to Section 8). Cover with vermiculite or other suitable inert material, pick up and place in closed containers. Transport outdoors and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with Section 13.

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Section 7: HANDLING AND STORAGE

HANDLING:

Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged or repeated exposure to skin or mucous membranes. Do not breathe mist. Keep container closed. Wash thoroughly after handling.

STORAGE:

Store product at room temperature, in a well ventilated area away from heat, sparks or flames .

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use with good general ventilation. No special controls required.

RESPIRATORY PROTECTION:

No special controls or personal protection required under conditions of intended use.

In the event of a spill, a NIOSH-certified air-purifying respirator with organic vapor cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits and when adequate oxygen is present. Use a positive pressure air-supplied respirator if there is any potential for an uncontrolled release or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION:

No special controls or personal protection required under conditions of intended use.

In the event of a spill, wear rubber gloves.

EYE PROTECTION:

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

In the event of a spill, appropriate eye protection should be worn.

ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

NA

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES:

Appearance / Physical State: Clear, water-like liquid
Odor: Slight alcohol odor

CHEMICAL PROPERTIES:

Boiling Point:	Not Determined	Melting Point:	Not Applicable
Vapor Pressure:	Not Applicable	Vapor Density:	Not Applicable
Solubility In Water:	Soluble	Specific Gravity (H2O = 1):	0.987
pH:	5-9	Freezing Point:	Not Determined
Molecular Weight:	Not Applicable, Mixture		

Section 10: STABILITY AND REACTIVITY

GENERAL:

Stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Keep away from heat, sparks, and flames.

HAZARDOUS POLYMERIZATION:

Does not occur

HAZARDOUS DECOMPOSITION:

None

Section 11: TOXICOLOGICAL INFORMATION

RTECS No.: NT8050000

Isopropyl Alcohol

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

Irritation Data:	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	IATA	IMO	RID/ADR	Canadian TDG
Shipping Name:	Not Regulated*	Consumer Commodity*	No information available	No information available	No information available
Hazard Class:	NA	9			
UN Number:	NA	8000			
Package Group:	NA	910 (Packaging Inst.)			

*Product #77 is not regulated per DOT and IATA. See DOT Part 173, Subpart D, 173.150(e): Exception.

Section 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

Fog Shield XP is considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

TOXIC SUBSTANCE CONTROL ACT (TSCA):

CAS# 67-63-0 is listed on the TSCA Inventory.

Section 15: REGULATORY INFORMATION (cont.)

SARA TITLE III (Superfund Amendments and Reauthorization Act):

SECTION 302 (Extremely Hazardous Substances): No Components Listed
SECTION 311, 312 (Hazard Categories): Acute, Chronic
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 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.