# Fog Shield XP Lens Cleaning System

## MATERIAL SAFETY DATA SHEET

**Effective Date:** 10/28/05  
**Supersedes:** None  
**Page:** 1 of 6

### Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>Fog Shield XP Lens Cleaning System</th>
<th>For Information:</th>
<th>1-800-553-5340</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>8577 PMT</td>
<td>For Emergency:</td>
<td>1-800-535-5053</td>
</tr>
<tr>
<td>Chemical Family:</td>
<td>NA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturer:</td>
<td>Bausch &amp; Lomb Incorporated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td>1400 N. Goodman Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rochester, New York 14609</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section 2: COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>COMPONENT NAME</th>
<th>% W/V</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>NIOSH REL</th>
<th>IRELAND TWA</th>
<th>IRELAND STEL</th>
<th>HSE TWA</th>
<th>HSE STEL</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-63-0</td>
<td>Isopropyl Alcohol</td>
<td>11</td>
<td>400</td>
<td>NE</td>
<td>200</td>
<td>400</td>
<td>400</td>
<td>400</td>
<td>500</td>
<td>ppm</td>
</tr>
<tr>
<td></td>
<td>Trade Secret</td>
<td>&lt; 6</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>Silicones</td>
<td>&gt; 80</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
<td>NA</td>
</tr>
</tbody>
</table>

**TOTAL**  
100

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

### Section 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

Dual towelette pack. Step 1 Packet: Premoistened towelette with clear, water-like liquid. Step 2 Packet: Dry polishing towelette. Avoid eye contact. May cause skin irritation or dryness. Ingestion may cause gastric and intestinal irritation. Seek medical attention.
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.
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 (> 4 liters liquid):

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 liquid):

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.
Section 7: HANDLING AND STORAGE

HANDLING:

Use with adequate ventilation. Avoid contact with eyes. Avoid prolonged or repeated exposure to skin or mucous membranes. 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
### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL PROPERTIES:**

- **Appearance / Physical State:** Dual towelette pack. Step 1 Packet: Premoistened towelette with clear, water-like liquid. Step 2 Packet: Dry polishing towelette
- **Odor:** Slight alcohol odor

**CHEMICAL PROPERTIES:**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Solubility In Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>0.987</td>
</tr>
<tr>
<td>pH</td>
<td>5-9</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>Not Applicable, Mixture</td>
</tr>
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</table>

### 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.
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

<table>
<thead>
<tr>
<th>US DOT</th>
<th>IATA</th>
<th>IMO</th>
<th>RID/ADR</th>
<th>Canadian TDG</th>
</tr>
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<tbody>
<tr>
<td>Shipping Name:</td>
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<td>Not Regulated*</td>
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<td>No information available</td>
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<tr>
<td>Hazard Class:</td>
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<tr>
<td>UN Number:</td>
<td>NA</td>
<td>NA</td>
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<tr>
<td>Package Group:</td>
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</table>

*Product #8577PMT is not regulated per DOT and IATA. See exemption under Part 172.102 (c)47, Special Provisions

Section 15: REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200):

The liquid content of the Fog Shield XP Lens Cleaning System 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.

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

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