

## Sight Savers brand Anti-Fog Liquid

### MATERIAL SAFETY DATA SHEET

Effective Date: 3/25/09 Supersedes: 8/26/05

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#### Section 1: IDENTIFICATION

##### PRODUCT:

**Product Name:** Sight Savers brand Anti-Fog Liquid  
**Product Description:** Dilute solvent and surfactant solution  
**Product Code(s):** 24, 25, 25S, 68, 69, 1200, 1200T, 8563P, 8565, 8569, 8570, 143060, 8568P

**Intended Use:** Cleaning agent for glass and plastic lenses

##### COMPANY IDENTIFICATION:

Bausch & Lomb, Incorporated  
1400 N. Goodman Street  
Rochester, New York 14609

**For Information:** 1-800-553-5340

##### EMERGENCY TELEPHONE NUMBER:

**24-Hour Emergency:** 1-800-535-5053

#### Section 2: HAZARD(S) IDENTIFICATION

**CLASSIFICATION:** Flammable liquid; Category 3  
Eye irritation; Category 2A

##### LABELING:



**Pictograms:**

**Signal Word:** Warning

**Hazard Statements:** Flammable liquid and vapor  
Causes serious eye irritation

**Precautionary Statements:** Keep away from ignition sources such as heat/sparks/open flames – No smoking  
**Not For Use on Contact Lenses**  
Store in a cool, well-ventilated place  
Use only in accordance with label instructions.  
Avoid release to the environment.  
**Keep Out of Reach of Children**

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### Section 2: HAZARD(S) IDENTIFICATION (cont.)

#### 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:**

Not expected to be an exposure route. However, 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:** (CAS# 67-63-0) Group 3, not classifiable for human.

**OSHA:** NA

### Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Chemical Identity	Concentration, % W/W	EINECS / ELINCS #
67-63-0	Isopropyl Alcohol	12	200-661-7
34590-94-8	Dipropylene glycol methyl ether	2	252-104-2
Mixture	Silicone	Proprietary	NA
151-21-3	Sodium Lauryl Sulfate	Proprietary	205-788-1
NA	Perfume	Proprietary	NA
2586-60-9	Calcomine Brilliant Violet	Proprietary	NA
7732-18-5	Purified Water	Proprietary	231-791-2

### Section 4: FIRST AID MEASURES

##### **INHALATION:**

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

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

#### SKIN CONTACT:

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

#### EYE CONTACT:

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

#### INGESTION:

If swallowed, DO NOT induce vomiting. Seek medical attention immediately.

#### NOTE TO PHYSICIAN:

Material if ingested may be aspirated into the lungs and can cause chemical pneumonitis. Treat appropriately.

### Section 5: FIRE FIGHTING MEASURES

#### 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

#### PERSONAL PRECAUTIONS:

Wear suitable protective eyewear, clothing, respiratory protection, rubber boots and rubber gloves. Shut off all sources of ignition. Evacuate immediate area. Ensure adequate ventilation. Refer to Sections 7 and 8.

#### ENVIRONMENTAL PRECAUTIONS:

Prevent spilled material from entering storm sewers or drains, waterways, and contact with soil.

#### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Isolate hazard area. Prevent from entering drains and sewers. 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.

Refer to Section 13 for appropriate disposal procedures.

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### Section 7: HANDLING AND STORAGE

#### HANDLING:

Avoid contact with eyes. Avoid prolonged or repeated exposure to skin or mucous membranes, and breathing mists/vapors. Use in a well ventilated area, away from all ignition sources. Wash thoroughly with soap and water after handling.

#### STORAGE:

Store product at room temperature, in a well ventilated place. Discard appropriately if package integrity is compromised.

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### CONTROL PARAMETERS:

CAS #	COMPONENT NAME	OCCUPATIONAL EXPOSURE LIMITS / GUIDELINES										
		OSHA PEL		ACGIH TLV		NIOSH REL		IRELAND		HSE		UNITS
		TWA	/STEL	TWA	/STEL	TWA	/STEL	TWA	/STEL	TWA	/STEL	
67-63-0	Isopropyl Alcohol	400	NE	200	400	400	500	400	500	400	500	ppm
34590-94-8	Dipropylene glycol methyl ether	100	150	100	150	100	150	50	100	50	NE	ppm
151-21-3	Sodium Lauryl Sulfate	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
Mixture	Silicone	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
NA	Perfume	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
2586-60-9	Calcomine Brilliant Violet	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA
7732-18-5	Purified Water	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NA

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

NOTE: Limits/standards shown for guidance only. Follow applicable regulations.

#### 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.

#### 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.

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### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

#### SKIN PROTECTION:

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

In the event of a spill, use rubber gloves.

#### ADDITIONAL PROTECTIVE CLOTHING & EQUIPMENT:

NA

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Purple
<b>Odor:</b>	Slight alcohol odor
<b>Odor Threshold:</b>	Not determined
<b>pH-Value:</b>	7
<b>Melting Point:</b>	Not applicable
<b>Freezing Point:</b>	0 °C (32 °F)
<b>Initial Boiling Point:</b>	100°C (212°F)
<b>Flash Point:</b>	40.6°C (105°F) ASTM Method D3828-98
<b>Evaporation Rate:</b>	Not determined
<b>Flammability (solid,gas):</b>	Flammable
<b>Explosion Limits:</b>	Not determined
<b>Vapor Pressure:</b>	30 mm @ 77 °F
<b>Vapor Density:</b>	Not determined
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.0
<b>Solubility:</b>	Soluble in water
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-Ignition Temperature:</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined

### Section 10: STABILITY AND REACTIVITY

#### REACTIVITY:

No known hazards.

#### CHEMICAL STABILITY:

Stable under normal conditions.

#### POSSIBILITY OF HAZARDOUS REACTIONS:

None are known.

#### CONDITIONS TO AVOID:

Heat, sources of ignition.

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### Section 10: STABILITY AND REACTIVITY (cont.)

#### INCOMPATIBLE MATERIALS:

Caustics, strong acids, alkanolamines, strong oxidizing agents, and chlorinated compounds.

#### HAZARDOUS DECOMPOSITION:

None known

### 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)

RTECS No.: JM1575000

#### Dipropylene Glycol Methyl Ether

Toxicity Data:	ORL-RAT	LD50: 5400 UL/KG
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Irritation Data:	EYE-RBT	500 MG/24H (MILD)
	SKN-RBT	500 MG (MILD)

RTECS No.: WT1050000

#### Sodium Lauryl Sulfate

Toxicity Data:	ORL-RAT	LD50: 1288 MG/KG
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Irritation Data:	EYE-RBT	100 MG/24H (MODERATE)
	SKN-RBT	50 MG/24H (MILD)

RTECS No.: QK1420000

#### Calcomine Brilliant Violet

Toxicity Data:	ORL-RAT	TDL <sub>o</sub> : 1125 MG/KG/71W
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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 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

	US DOT	IATA	IMO	RID/ADR	Canadian TDG
<b>Shipping Name:</b>	Consumer Commodity	Consumer Commodity	Alcohol, N.O.S. (contains Isopropanol)	No information available	No information available
<b>Hazard Class:</b>	ORM-D	9	3		
<b>UN Number:</b>	NA	8000	1987		
<b>Package Group:</b>	NA	910 (Packaging Inst.)	III, Limited Quantity, F.P. 40.5 C cc		

Air freight and ocean shipments require additional marking and labeling. Product code 69GM may not be shipped via air or ocean freight in domestic cartons.

### Section 15: REGULATORY INFORMATION

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

Sight Savers brand Anti-Fog Liquid is considered hazardous under the Occupational Safety & Health Administration Hazard Communication Standard.

#### REACH:

This product is exempt from REACH requirements.

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

CAS# 67-63-0 is listed on the TSCA Inventory.  
CAS# 34590-94-8 is listed on the TSCA Inventory.  
CAS# 151-21-3 is listed on the TSCA Inventory.  
CAS# 7732-18-5 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.

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### Section 16: OTHER INFORMATION

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