

Safety Data Sheet

Section 1: Identification

Product identifier

- Product Name** • **Sight Savers brand Anti-Fog Liquid Without Silicone**
- Product Code** • 1360MS; 143060GM; 628040; 68GM; 69GM; 8563GMP; 8565GM; 8568GMP; 8569GM; 8570GM
- Product Description** • Dilute solvent and surfactant solution.

Relevant identified uses of the substance or mixture and uses advised against

- Recommended use** • Cleaning agent for glass and plastic lenses

Details of the supplier of the safety data sheet

- Manufacturer** • Bausch & Lomb
1400 North Goodman Street
Rochester, NY 14609
United States
bausch.com
- Telephone (General)** • 1-800-553-5340

Emergency telephone number

- Manufacturer** • 1-800-535-5053

Section 2: Hazard Identification

UN GHS

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Classification of the substance or mixture

- UN GHS** • Acute Toxicity Oral 5
Eye Irritation 2A
Flammable Liquids 3
Skin Irritation 2

Label elements

UN GHS

WARNING



- Hazard statements** • Causes serious eye irritation
May be harmful if swallowed
Flammable liquid and vapour
May cause skin irritation or dryness.

Precautionary statements

Prevention • Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. Keep cool.

Response • IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

Storage/Disposal • Store in a well-ventilated place. Keep cool. Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Other hazards

UN GHS • No data available

Other information

- Moist white paper tissue impregnated with a dilute solvent and detergent. May cause serious eye irritation. May cause skin irritation or dryness. Ingestion may cause gastric and intestinal irritation.

Section 3 - Composition/Information on Ingredients**Substances****Mixtures**

Composition			
Chemical Name	Identifiers	%	Classifications According to Regulation/Directive
Water	CAS:7732-18-5 EINECS:231-791-2	> 1%	UN GHS: NDA
Isopropyl alcohol	CAS:67-63-0 UN:UN1219 EINECS:200-661-7	12%	UN GHS: Eye Irrit. 2A
Dipropylene glycol monomethyl ether	CAS:34590-94-8 EINECS:252-104-2	2%	UN GHS: Skin Irrit. 2; Eye Irrit. 2A; Flam. Liq. 4
Sodium Lauryl Sulfate	CAS:151-21-3 EINECS:205-788-1	> 1%	UN GHS: NDA
Perfume (Kew Em Balsam Pine)	NDA	< 0.1%	UN GHS: NDA

Section 4: First-Aid Measures**Description of 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.

Skin

- 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

- 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 advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed

- No data available

Indication of any immediate medical attention and special treatment needed

Notes 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

Suitable Extinguishing Media • Carbon dioxide, dry chemical powder, appropriate foam or water fog.

Unsuitable Extinguishing Media • No data available

Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • No data available

Hazardous Combustion Products • During a fire, thermal decomposition or combustion may generate irritating and highly toxic gases.

Advice for firefighters

- 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, protective equipment and emergency procedures

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.

Emergency Procedures • No data available

Environmental precautions

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

Methods and material for containment and cleaning up

Containment/Clean-up Measures • 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.

Section 7 - Handling and Storage

Precautions for safe handling

Handling • Keep away from heat and sparks.

Conditions for safe storage, including any incompatibilities

Storage • Store product at room temperature, in a well ventilated area away from heat, sparks or flames. Discard appropriately if package integrity is compromised. **KEEP OUT OF REACH OF CHILDREN.**

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines • Refer to the occupational exposure limits / guidelines for the individual product components.

Exposure Limits/Guidelines				
	Result	ACGIH	NIOSH	OSHA
Dipropylene glycol monomethyl ether (34590-94-8)	TWAs	100 ppm TWA	100 ppm TWA; 600 mg/m ³ TWA	100 ppm TWA; 600 mg/m ³ TWA
	STELs	150 ppm STEL	150 ppm STEL; 900 mg/m ³ STEL	Not established
Isopropyl alcohol (67-63-0)	TWAs	200 ppm TWA	400 ppm TWA; 980 mg/m ³ TWA	400 ppm TWA; 980 mg/m ³ TWA
	STELs	400 ppm STEL	500 ppm STEL; 1225 mg/m ³ STEL	Not established

Exposure Control Notations

ACGIH

- Isopropyl alcohol (67-63-0): **Carcinogens:** (A4 - Not Classifiable as a Human Carcinogen)
- Dipropylene glycol monomethyl ether (34590-94-8): **Skin:** (Skin - potential significant contribution to overall exposure by the cutaneous route)

Exposure Limits Supplemental

ACGIH

- Isopropyl alcohol (67-63-0): **BEIs:** (40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)) | **TLV Basis - Critical Effects:** (CNS impairment; eye and upper respiratory tract irritation)
- Dipropylene glycol monomethyl ether (34590-94-8): **TLV Basis - Critical Effects:** (CNS impairment; eye and upper respiratory tract irritation)

Exposure controls

Engineering

Measures/Controls

- No special controls are required under conditions of intended use.

Personal Protective Equipment

Respiratory

- No special controls or personal protection required under conditions of intended use. In the event of a bulk spill, and where risk assessment shows that air-purifying respirators are appropriate, a NIOSH (US) or CEN (EU) -certified air-purifying respirator equipped with organic vapor cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, when adequate oxygen is present and as a backup to engineering controls. 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/Face

- Avoid contact with the eye. No special controls or personal protection required under conditions of intended use. In the event of a bulk spill, appropriate eye protection should be worn.

Hands

- No special personal protection required under conditions of intended use. In the event of a bulk spill, protective rubber gloves should be worn.

Skin/Body

- No special personal protection required under conditions of intended use. In the event of a bulk spill, wear appropriate protective clothing.

Environmental Exposure Controls

- No data available

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Color	Clear
Odor	Mild alcohol odor.		
General Properties			
Boiling Point	100 C(212 F)	pH	7
Specific Gravity/Relative Density	= 1 Water=1	Water Solubility	Soluble

Volatility

Vapor Pressure	30 mmHg (torr) @ 77 F(25 C)		
Flammability			
Flash Point	40.6 C(105.08 F) CC (Closed Cup)		

Section 10: Stability and Reactivity**Reactivity**

- No dangerous reactions known.

Chemical stability

- Stable under normal temperatures and pressures.

Possibility of hazardous reactions

- No data available.

Conditions to avoid

- Heat, sources of ignition.

Incompatible materials

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

Hazardous decomposition products

- None known.

Section 11 - Toxicological Information**Information on toxicological effects**

Components		
Water (> 1%)	7732-18-5	Acute Toxicity: Ingestion/Oral-Rat LD50 • >90 mL/kg
Isopropyl alcohol (12%)	67-63-0	Acute Toxicity: Ingestion/Oral-Rat LD50 • 5045 mg/kg; Behavioral: Altered sleep time (including change in righting reflex); Behavioral: Somnolence (general depressed activity); Inhalation-Rat LC50 • 16000 ppm 8 Hour(s); Skin-Rabbit LD50 • 12800 mg/kg; Irritation: Eye-Rabbit • 100 mg • Severe irritation; Skin-Rabbit • 500 mg • Mild irritation
Dipropylene glycol monomethyl ether (2%)	34590-94-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • 5.5 mL/kg; Skin-Rabbit LD50 • 10 mL/kg; Irritation: Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation

GHS Properties	Classification
Respiratory sensitization	UN GHS • Classification criteria not met
Serious eye damage/Irritation	UN GHS • Eye Irritation 2A
Acute toxicity	UN GHS • Acute Toxicity - Oral 5
Aspiration Hazard	UN GHS • Classification criteria not met
Carcinogenicity	UN GHS • Classification criteria not met
Skin corrosion/Irritation	UN GHS • Skin Irritation 2
Skin sensitization	UN GHS • Classification criteria not met

STOT-RE	UN GHS • Classification criteria not met
STOT-SE	UN GHS • Classification criteria not met
Toxicity for Reproduction	UN GHS • Classification criteria not met
Germ Cell Mutagenicity	UN GHS • Classification criteria not met

Potential Health Effects

Inhalation

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Skin

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Eye

- Acute (Immediate)**
 - Causes serious eye irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Ingestion

- Acute (Immediate)**
 - May cause irritation.
- Chronic (Delayed)**
 - Under normal conditions of use, no health effects are expected.

Carcinogenic Effects		
	CAS	IARC
Isopropyl alcohol	67-63-0	Group 3-Not Classifiable

Section 12 - Ecological Information

Toxicity

- This material has not been tested for environmental effects.

Persistence and degradability

- No data available

Bioaccumulative potential

- No data available

Mobility in Soil

- No data available

Other adverse effects

Section 13 - Disposal Considerations

Waste treatment methods

- Product waste**
 - Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.
- Packaging waste**
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	UN number	UN proper shipping name	Transport hazard class (es)	Packing group	Environmental hazards
DOT	ID8000	Consumer Commodity	9	NDA	NDA
TDG	UN1987	Alcohols, n.o.s. (Isopropanol)	3	III	NDA
IMO/IMDG	UN1987	Alcohols, n.o.s. (Isopropanol)	3	III	NDA
IATA/ICAO	ID8000	Consumer Commodity	9	NDA	NDA

Special precautions for user • No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • No data available

Other information

DOT • Product code 69GM is not packaged for air transport.

TDG • Ship as Limited Quantity.

IMO/IMDG • Ship as Limited Quantity.

IATA/ICAO • Product code 69GM is not packaged for air transport.

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • No data available

Inventory			
Component	CAS	EU EINECS	TSCA
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes
Isopropyl alcohol	67-63-0	Yes	Yes
Sodium Lauryl Sulfate	151-21-3	Yes	Yes
Water	7732-18-5	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Dipropylene glycol monomethyl ether	34590-94-8	B3
• Isopropyl alcohol	67-63-0	B2, D2B (including 70%) Uncontrolled product according to WHMIS classification criteria
• Water	7732-18-5	
• Sodium Lauryl Sulfate	151-21-3	D2B

Canada - WHMIS - Ingredient Disclosure List

• Dipropylene glycol monomethyl ether	34590-94-8	1 %
• Isopropyl alcohol	67-63-0	1 %
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	1 %

Europe

Other**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification**

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	F; R11 Xi; R36 R67
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	F Xi R:11-36-67 S:(2)-7-16-24/25-26
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	S:(2)-7-16-24/25-26
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

United States**Environment****U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

United States - California**Environment****U.S. - California - Proposition 65 - Carcinogens List**

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
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• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Dipropylene glycol monomethyl ether	34590-94-8	Not Listed
• Isopropyl alcohol	67-63-0	Not Listed
• Water	7732-18-5	Not Listed
• Sodium Lauryl Sulfate	151-21-3	Not Listed

Section 16 - Other Information

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