Safety Data Sheet

Section 1: Identification

Product identifier

Product Name • **Sight Savers brand Anti-Fog Liquid**

Product Code • 143060; 25; 68; 69; 8563P; 8565; 8568P; 8569; 8570; FCP 4874

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 - Infotrac

Section 2: Hazard Identification

UN GHS Revision 3

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

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

• Material does not meet the criteria of a substance according to United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Mixtures

Composition			
Chemical Name	**Identifiers**	**%**	**Classifications According to Regulation/Directive**
Diphenyl Brilliant Violet	**CAS:**6227-14-1 **EINECS:**228-326-0	< 0.1%	**UN GHS Revision 3:** NDA
Dipropylene glycol monomethyl ether	**CAS:**34590-94-8 **EINECS:**252-104-2	2%	**UN GHS Revision 3:** Skin Irrit. 2; Eye Irrit. 2A; Flam. Liq. 4
Isopropyl alcohol	**CAS:**67-63-0 **UN:**UN1219 **EINECS:**200-661-7	12%	**UN GHS Revision 3:** Skin Irrit. 3; Eye Irrit. 2; Skin Sens. 1B; Asp. Tox. 1; Acute Tox. Oral 5; STOT RE 1; Flam. Liq. 2; Repr. 2
Perfume (Kew Em Balsam Pine)	NDA	< 0.1%	**UN GHS Revision 3:** NDA
Perfume (Oil Evergreen Bouquet)	NDA	< 0.1%	**UN GHS Revision 3:** NDA
Silicone	**CAS:**68037-64-9	1% TO 5%	**UN GHS Revision 3:** NDA
Sodium Lauryl Sulfate	**CAS:**151-21-3 **EINECS:**205-788-1	1% TO 5%	**UN GHS Revision 3:** NDA
Water	**CAS:**7732-18-5 **EINECS:**231-791-2	> 80%	**UN GHS Revision 3:** Classification criteria not met

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 medicalattention.

Ingestion
- If swallowed, do not induce vomiting: seek medical advice immediately and show thiscontainer 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.

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**	**Canada Quebec**	**NIOSH**	**OSHA**
Dipropylene glycol monomethyl ether (34590-94-8)	STELs	150 ppm STEL	150 ppm STEV; 909 mg/m3 STEV	150 ppm STEL; 900 mg/m3 STEL	Not established
	TWAs	100 ppm TWA	100 ppm TWAEV; 606 mg/m3 TWAEV	100 ppm TWA; 600 mg/m3 TWA	100 ppm TWA; 600 mg/m3 TWA
Isopropyl alcohol (67-63-0)	STELs	400 ppm STEL	500 ppm STEV; 1230 mg/m3 STEV	500 ppm STEL; 1225 mg/m3 STEL	Not established
	TWAs	200 ppm TWA	400 ppm TWAEV; 985 mg/m3 TWAEV	400 ppm TWA; 980 mg/m3 TWA	400 ppm TWA; 980 mg/m3 TWA

Exposure Control Notations

Canada Quebec

•Dipropylene glycol monomethyl ether (34590-94-8): **Skin:** (Skin designation)

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 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	Purple
Odor	Mild alcohol odor.		
General Properties			
Boiling Point	100 °C(212 °F)	Melting Point/Freezing Point	Not applicable
Decomposition Temperature	No data available	pH	7
Specific Gravity/Relative Density	= 1 Water=1	Water Solubility	Soluble
Viscosity	No data available		
Volatility			
Vapor Pressure	30 mmHg (torr) @ 77 °F(25 °C)		
Flammability			
Flash Point	40.6 °C(105.08 °F) CC (Closed Cup)		
Environmental			
Octanol/Water Partition coefficient	No data available		

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 (> 80%)	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
Acute toxicity	**UN GHS 3** • Acute Toxicity - Oral 5
Skin corrosion/Irritation	**UN GHS 3** • Skin Irritation 2
Serious eye damage/Irritation	**UN GHS 3** • Eye Irritation 2A
Skin sensitization	**UN GHS 3** • Classification criteria not met
Respiratory sensitization	**UN GHS 3** • Classification criteria not met
Aspiration Hazard	**UN GHS 3** • Classification criteria not met
Carcinogenicity	**UN GHS 3** • Classification criteria not met
Germ Cell Mutagenicity	**UN GHS 3** • Classification criteria not met
Toxicity for Reproduction	**UN GHS 3** • Classification criteria not met
STOT-SE	**UN GHS 3** • Classification criteria not met
STOT-RE	**UN GHS 3** • 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 69 is not packaged for air transport.

TDG
- Ship as Limited Quantity.

IMO/IMDG
- Ship as Limited Quantity.

IATA/ICAO
- Product code 69 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**	**Canada DSL**	**EU EINECS**	**TSCA**
Silicone	68037-64-9	Yes	No	Yes
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes
Isopropyl alcohol	67-63-0	Yes	Yes	Yes
Sodium Lauryl Sulfate	151-21-3	Yes	Yes	Yes
Water	7732-18-5	Yes	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Silicone	68037-64-9	Not Listed

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

Canada - WHMIS - Ingredient Disclosure List

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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 - Developmental Toxicity

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

• Silicone	68037-64-9	Not Listed
• 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

Revision Date
- 21/December/2018

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