

# SAFETY DATA SHEET

## ANTI-FOG SPRAY

Infosafe No.: LQA06  
ISSUED Date : 15/01/2020  
ISSUED by: Bollé Australia Pty Ltd

### 1. Identification

**GHS Product Identifier**

ANTI-FOG SPRAY

**Company name**

Bollé Australia Pty Ltd

**Address**

32-40 Fairchild Street Heatherton  
VIC 3202 AUSTRALIA

**Telephone/Fax Number**

Tel: 1300 138 098

**Emergency phone number**

1800 638 556 (24h)

**Recommended use of the chemical and restrictions on use**

Anti-fog Spray

### 2. Hazard Identification

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Flammable Liquids: Category 4

Acute Toxicity - Inhalation: Category 4

Eye Damage/Irritation: Category 1

STOT Single Exposure: Category 3 (narcotic)

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H227 Combustible liquid.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

**Pictogram (s)**

Exclamation mark, Corrosion

**Precautionary statement – Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statement – Response

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

### Precautionary statement – Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

### Precautionary statement – Disposal

P501 Dispose of contents/container to an approved waste disposal plant..

## 3. Composition/information on ingredients

### Ingredients

Name	CAS	Proportion
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	25-50 %
Butanedioic acid, sulfo-,1,4-bis(2-ethylhexyl) ester, sodium salt	577-11-7	1-<10 %
Glutaraldehyde	111-30-8	0-<0.1 %
Ingredients determined not to be hazardous, including water.		Balance

## 4. First-aid measures

### Inhalation

If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

### Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

### First Aid Facilities

Eyewash, safety shower and normal washroom facilities.

### Advice to Doctor

Treat symptomatically.

### Other Information

For advice in an emergency, contact a Poisons Information Centre or a doctor at once. (131 126)

## 5. Fire-fighting measures

### Suitable Extinguishing Media

Use carbon dioxide, dry chemical or foam.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, sulphur oxides (SOx) and oxides of nitrogen.

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### Specific Hazards Arising From The Chemical

Combustible. This product will burn if exposed to fire.

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. Accidental release measures

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### Emergency Procedures

Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. Handling and storage

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### Precautions for Safe Handling

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene by washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from sources of ignition, foodstuffs, clothing and incompatible materials such as oxidising agents. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids.

### Storage Regulations

Classified as a Class C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS1940 (2017) The storage and handling of flammable and combustible liquids.

## 8. Exposure controls/personal protection

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### Occupational exposure limit values

No exposure value assigned for this material. However, the available exposure limits for ingredients are listed below:

Propylene glycol monomethyl ether

TWA: 100 ppm, 369 mg/m<sup>3</sup>

STEL: 150 ppm, 553 mg/m<sup>3</sup>

Glutaraldehyde

TWA: 0.1 ppm (Peak), 369 mg/m<sup>3</sup> (Peak)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as

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possible but not exceeding 15 minutes.

Source: Safe Work Australia

### Biological Limit Values

No biological limits allocated.

### Appropriate engineering controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

### Eye Protection

Safety glasses with full face shield should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

### Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1 : Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	Colourless	Odour	Odourless
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	100 °C	Solubility in Water	Fully miscible
Specific Gravity	Not available	pH	7 (20 °C)
Vapour Pressure	Not available	Vapour Density (Air=1)	Not available
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	Not available	Partition Coefficient: n-octanol/water	Not available
Flash Point	70 °C	Flammability	Combustible
Auto-Ignition Temperature	Not available	Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available	Explosion Properties	Product does not present an explosion hazard.

## 10. Stability and reactivity

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### Reactivity

Reacts with incompatible materials.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Conditions to Avoid

Heat, open flames, sparks and other sources of ignition.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including: oxides of sulphur, carbon monoxide and carbon dioxide.

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Not available

## 11. Toxicological Information

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### Toxicology Information

No toxicity data available for this material. Data for ingredients is given below.

#### Acute Toxicity - Oral

Propylene glycol monomethyl ether

LD50 (rat): 5660 mg/kg

Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt

LD50 (rat): 1900 mg/kg

#### Acute Toxicity - Inhalation

Propylene glycol monomethyl ether

LC50 (rat): 6 mg/L/4h

#### Acute Toxicity - Dermal

Propylene glycol monomethyl ether

LD50(rabbit): 13000 mg/kg

### Ingestion

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### Inhalation

Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system. May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.

### Skin

May be irritating to skin. The symptoms may include redness, itching and swelling.

### Eye

Causes eye damage. Eye contact will cause stinging, blurring, tearing, severe pain and possible burns, necrosis, permanent damage and blindness.

### Respiratory sensitisation

Not expected to be a respiratory sensitiser.

### Skin Sensitisation

Not expected to be a skin sensitiser.

### Germ cell mutagenicity

Not considered to be a mutagenic hazard.

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### **Carcinogenicity**

Not considered to be a carcinogenic hazard.

### **Reproductive Toxicity**

Not considered to be toxic to reproduction.

### **STOT-single exposure**

May cause drowsiness or dizziness.

### **STOT-repeated exposure**

Not expected to cause toxicity to a specific target organ.

### **Aspiration Hazard**

Not expected to be an aspiration hazard.

## 12. Ecological information

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### **Ecotoxicity**

No ecological data available for this material.

### **Persistence and degradability**

Not available

### **Mobility**

Fully miscible in water.

### **Bioaccumulative Potential**

Not available

### **Other Adverse Effects**

Not available

### **Environmental Protection**

Prevent this material entering waterways, drains and sewers.

## 13. Disposal considerations

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### **Disposal considerations**

The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

## 14. Transport information

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### **Transport Information**

Road and Rail Transport (ADG Code):

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) (7th edition).

Marine Transport (IMO/IMDG):

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

### **U.N. Number**

None Allocated

### **UN proper shipping name**

None Allocated

### **Transport hazard class(es)**

None Allocated

### **IMDG Marine pollutant**

No

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### Transport in Bulk

Not available

### Special Precautions for User

Not available

## 15. Regulatory information

### Regulatory information

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - conditions applied.

### Poisons Schedule

Not Scheduled

## 16. Other Information

### Date of preparation or last revision of SDS

SDS created: January 2020

### References

Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.

Standard for the Uniform Scheduling of Medicines and Poisons.

Australian Code for the Transport of Dangerous Goods by Road & Rail.

Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

Workplace exposure standards for airborne contaminants, Safe work Australia.

American Conference of Industrial Hygienists (ACGIH).

Globally Harmonised System of Classification and Labelling of Chemicals.

### User Codes

User Title Label	User Codes
Wis Numbers	03477562

## END OF SDS

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