

REFLEXION AEROSOL

SECTION 1. IDENTIFICATION

Product Identifier	REFLEXION AEROSOL
Other Means of Identification	Window cleaner
Other Identification	5000
Recommended Use	Window cleaner.
Restrictions on Use	For industrial and institutional use only.
Manufacturer	Sprayway, Inc., 1005 S. Westgate Drive, Addison, IL, 60101, 1 (630) 628-3000
Supplier Identifier	Lalema inc., 11450 Sherbrooke Street East, Montreal East, Quebec, H1B 1C1, 514.645.2753, www.lalema.com
Emergency Phone No.	Quebec Poison Control Centre, 1.800.463.5060 Canutec, +1 613.996.6666, 24/7
SDS No.	0183

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Gas under pressure - Liquefied gas

Label Elements



Signal Word:

Warning

Hazard Statement(s):

Contains gas under pressure; may explode if heated.

Precautionary Statement(s):

Storage:

Protect from sunlight. Store in a well-ventilated place.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Not applicable.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Ethyl alcohol	64-17-5	2.5 - 10	
2-Butoxyethanol	111-76-2	2.5 - 10	

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Butane	106-97-8	1.0 - 2.5	
Propane	74-98-6	1.0 - 2.5	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation persists, get medical attention.

Eye Contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Dizziness.

Immediate Medical Attention and Special Treatment

Target Organs

None known.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Dry chemical. Carbon dioxide.

Unsuitable Extinguishing Media

Water is not effective for extinguishing a fire. It may not cool product below its flash point.

Specific Hazards Arising from the Product

Pressurized container: May burst if heated.

Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and protective clothing.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

No special precautions are necessary. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

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Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal. Flush spill area.

Other Information

Contact supplier, local fire and emergency services for help.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation. Prevent accidental contact with incompatible chemicals.

Conditions for Safe Storage

Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Butane		1000 ppm				
Propane			1800 mg/m ³			
Ethyl alcohol		1000 ppm	1900 mg/m ³			
2-Butoxyethanol	20 ppm		240 mg/m ³			

Consult local authorities for provincial exposure limits.

Appropriate Engineering Controls

Showers, Eyewash stations and ventilation systems.

Individual Protection Measures

Eye/Face Protection

Avoid contact with eyes. Wear chemical safety goggles.

Skin Protection

Use gloves chemically resistant to this material. Wear suitable protective clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Light yellow liquefied gas.
Odour	Soapy
Odour Threshold	Not available
pH	9.1 - 10.1
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	100 °C
Flash Point	-156.0 °C
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable

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Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not available (lower)
Vapour Pressure	552 - 690 kPa
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	371.0 °C
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Gas

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Polymerization will not occur.

Conditions to Avoid

Extreme temperature or temperature exceeding flash point. Contact with incompatible materials. Open flames, sparks, static discharge, heat and other ignition sources.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Butane	1237 mg/L (mouse)	Not available	Not available
Propane	1237 mg/L (mouse) (2-hour exposure)	Not available	Not available
Ethyl alcohol	51.3 mg/L (rat) (6-hour exposure)	10470 mg/kg (rat)	Not available
2-Butoxyethanol	450 ppm (rat) (4-hour exposure)	530-2800 mg/kg (rat)	230 mg/kg (guinea pig)

Skin Corrosion/Irritation

Prolonged skin contact may cause temporary irritation.

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Serious Eye Damage/Irritation

Direct contact with eyes may cause temporary irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Prolonged inhalation may be harmful.

Skin Absorption

No known hazard.

Ingestion

Expected to be a low ingestion hazard.

Aspiration Hazard

No known hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

Not a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

No information was located for: STOT (Specific Target Organ Toxicity) - Single Exposure, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

SECTION 16. OTHER INFORMATION

SDS Prepared By Lalema inc. Laboratory

Date of Preparation avril 18, 2017

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Disclaimer The information herein cannot be reproduced without our written authorization. It is based on experiments and is from sources we believe reliable. Since the use of this product is beyond our control, our only obligation shall be to replace any quantity of product which is proven defective. We cannot assume any risk or liability for results obtained, nor can we accept damages in excess of the purchase price of the product itself, which does not include labour or any consequential damages resulting from the use of this product. Determining the suitability of the product for any intended use shall be solely the responsibility of the user.

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