

FROSTY

SECTION 1. IDENTIFICATION

Product Identifier	FROSTY
Recommended Use	Chewing Gum and Candle Wax Remover.
Manufacturer	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Supplier Identifier	Lawrason's, Inc, 460 Wyecroft Road, Oakville, Ontario, L6K 2G7, (905) 842-8300, www.Lawrasons.com
Emergency Phone No.	CANUTEC, 1-888-CAN-UTEC (226-8832), 613-996-6666 or *666 on a cellular phone
SDS No.	71739
Date of Preparation	February 01, 2017

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Flammable aerosol - Category 1

Label Elements



Danger

Hazard Statement(s):

Extremely flammable aerosol.

Pressurized container: may burst if heated.

Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Response:

Wash hands and skin thoroughly after handling.

Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

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

Product Identifier:	FROSTY - Ver. 1
Date of Preparation:	February 01, 2017
Date of Last Revision:	February 01, 2018

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Isobutane	75-28-5	80.00-100		
Propane	74-98-6	10.00-30.00		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

If breathing is difficult, move person into fresh air. Keep at rest in a position comfortable for breathing. Immediately call a Poison Centre or doctor.

Skin Contact

Wash with plenty of water. If skin irritation or a rash occurs, get medical advice or attention.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. 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.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Specific Hazards Arising from the Product

Contains gas under pressure; may explode if heated. Review Section 10 (Stability and Reactivity) for additional information.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location. Wear fire resistant clothing. For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles. Use water spray to flush spills away from ignition sources.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment.

Environmental Precautions

It is good practice to prevent releases into the environment. Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Stop or reduce leak if safe to do so. Ventilate the area to prevent the gas from accumulating, especially in confined spaces. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Review Section 13 (Disposal Considerations) of this safety data sheet.

Product Identifier: FROSTY - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: February 01, 2018

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Pressurized container: do not spray on an open flame or other ignition source. Do not pierce or burn container, even after use. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Do not get in eyes, on skin or on clothing. Do not swallow. Only use where there is adequate ventilation. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Pressurized container store at temperatures not exceeding: 50°C/122°F out of direct sunlight and away from heat and ignition sources, separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Isobutane	1000 ppm		1000 ppm		800 ppm	
Propane	Not established	Not established	1000 ppm	Not established	Not established	Not established

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Ensure that eye stations and safety showers are proximal to the work-station location. Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	compressed gas.
Odour	Not available
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	-42.1 °C (-43.8 °F) (estimated)
Flash Point	-73 °C (-99 °F) (estimated)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable gas.
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
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	Not available

Product Identifier: FROSTY - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: February 01, 2018

Other Information

Physical State

Gas

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Heating may cause an explosion.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

High temperatures. Incompatible materials.

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), halogens (e.g. chlorine).

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Isobutane	> 13023 ppm (rat) (4-hour exposure)	Not available	Not available
Propane	1355 mg/L (rat)	Not available	Not available

Skin Corrosion/Irritation

Repeated or prolonged exposure can irritate or burn the skin.

Serious Eye Damage/Irritation

Causes serious eye irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause severe nose and throat irritation.

Skin Absorption

No information was located.

Ingestion

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Isobutane	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed

Reproductive Toxicity

Development of Offspring

No information was located.

Product Identifier: FROSTY - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: February 01, 2018

Sexual Function and Fertility

May cause effects on sexual function and/or fertility.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Studies were not located.

Persistence and Degradability

Not biodegradable.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. The container for this product can present explosion or fire hazards, even when emptied. Do not cut, puncture, or weld on or near this container. Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
IATA (Air)	1950	AEROSOLS, flammable	2.1	
Canadian TDG	1950	AEROSOLS, flammable	2.1	

Environmental Hazards Not applicable

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

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

This section is not required by WHMIS.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Listed on the DSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Product Identifier: FROSTY - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: February 01, 2018

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
SDS Prepared By	Technical Manager		
Phone No.	905-842-8300		
Date of Preparation	February 01, 2017		
Date of Last Revision	February 01, 2018		
Key to Abbreviations	IARC = International Agency for Research on Cancer		
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).		
Additional Information	<p>All information is based upon our current knowledge and experience of our product and is not exhaustive. It applies to the product as defined by the specifications. In case of combinations of mixtures, one must confirm that no new hazards are likely to exist. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and integrity of the work environment. (Unless noted to the contrary, the technical information applies only to pure product). To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Lawrason's, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Lawrason's Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.</p>		
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Product Identifier: FROSTY - Ver. 1
Date of Preparation: February 01, 2017
Date of Last Revision: February 01, 2018

Page 06 of 06