



SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME	BUBBLEGUM FLAVOR (Liquid) (FlavoRx)
PRODUCT CODE	2985
SUPPLIER	MEDISCA Inc. Tel.: 1.800.932.1039 Fax.: 1.855.850.5855 661 Route 3, Unit C, Plattsburgh, NY, 12901 3955 W. Mesa Vista Ave., Unit A-10, Las Vegas, NV, 89118 6641 N. Belt Line Road, Suite 130, Irving, TX, 75063 MEDISCA Pharmaceutique Inc. Tel.: 1.800.665.6334 Fax.: 514.338.1693 4509 Rue Dobrin, St. Laurent, QC, H4R 2L8 21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2 MEDISCA Australia PTY LTD Tel.: 1.300.786.392 Fax.: 61.2.9700.9047 Unit 7, Heritage Business Park 5-9 Ricketty Street, Mascot, NSW 2020
EMERGENCY PHONE	CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 NSW Poisons Information Centre: 131 126
USES	Flavouring agent

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION	Flammable liquid (Category 3) Sensitization - Skin (Category 1)
PICTOGRAM	 
SIGNAL WORD	Warning
HAZARD STATEMENT(S)	Flammable liquid and vapor. May cause an allergic skin reaction. Cause irritation to the skin, eyes and respiratory tract.
AUSTRALIA-ONLY HAZARDS	Repeated exposure may cause skin dryness or cracking.
PRECAUTIONARY STATEMENT(S)	<p>Prevention</p> Keep away from heat, sparks, open flames and/or hot surfaces - No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye protection and face protection. Wash thoroughly after handling. Avoid breathing dust, fume, gas, mist, vapors, spray. Contaminated work clothing must not be allowed out of the workplace.
	<p>Response</p> IF ON SKIN (HAIR): Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IN CASE OF FIRE: Use dry chemical, CO ₂ , alcohol resistant foam or water spray to extinguish IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

HMIS CLASSIFICATION	Storage	Store in a well-ventilated place. Keep cool.	
	Disposal	Dispose of contents and/or container in accordance with local regulations.	
	Health Hazard	2	Flammability 3
	Reactivity	0	Personal Protection E

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	Not applicable
BOTANICAL NAME	Not applicable
SYNONYM	Not applicable
CHEMICAL FORMULA	Not applicable
CAS NUMBER	Not applicable
ALTERNATE CAS NUMBER	Not applicable
MOLECULAR WEIGHT	Not applicable

COMPOSITION	<table border="1"> <thead> <tr> <th>CHEMICAL NAME</th> <th>CAS NUMBER</th> <th>% BY WEIGHT</th> </tr> </thead> <tbody> <tr> <td>PROPYLENE GLYCOL</td> <td>57-55-6</td> <td>50 - 75</td> </tr> <tr> <td>ETHANOL</td> <td>64-17-5</td> <td>10 - 25</td> </tr> <tr> <td>ISOAMYL ACETATE</td> <td>123-92-2</td> <td>2 - 5</td> </tr> <tr> <td>ETHYL BUTYRATE</td> <td>105-54-4</td> <td>2 - 5</td> </tr> <tr> <td>(E)-ANETHOLE</td> <td>4180-23-8</td> <td>< 2</td> </tr> </tbody> </table>			CHEMICAL NAME	CAS NUMBER	% BY WEIGHT	PROPYLENE GLYCOL	57-55-6	50 - 75	ETHANOL	64-17-5	10 - 25	ISOAMYL ACETATE	123-92-2	2 - 5	ETHYL BUTYRATE	105-54-4	2 - 5	(E)-ANETHOLE	4180-23-8	< 2
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There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

NOTES	<p>All flavor ingredients contained in this product are approved for use in a regulation of the Food And Drug Administration or are listed as being generally recognized as safe on the FEMA GRAS list.</p> <p>*Flavoring components are considered trade secret. Therefore the chemical names, exact compositional breakdown, or other chemical identification of the specific compounds of flavor ingredients are withheld in accordance with 1910.1200 of the Code of Federal regulations.</p> <p>This product contains: Propylene Glycol, Alcohol, Natural and Artificial Flavors*.</p>
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SECTION 4: FIRST-AID MEASURES

IN CASE OF EYE CONTACT	Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.
IN CASE OF SKIN CONTACT	Wash with soap & water for 15 minutes. If irritation persists seek medical aid.
IF SWALLOWED	Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.
IF INHALED	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician
SYMPTOMS AND EFFECTS	Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable
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YOUR TRUSTED PARTNER IN COMPOUNDING

FLAMMABLE PROPERTIES

Flammable liquid and vapor.

HAZARDOUS COMBUSTION PRODUCTS

Under fire conditions, hazardous fumes will be present.

EXTINGUISHING MEDIA

Small fire: dry chemical, CO₂ or water spray. **Large fire:** dry chemical, CO₂, alcohol resistant foam or water spray. Do not get water inside containers.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

METHODS & MATERIAL FOR CONTAINMENT

On land, sweep or shovel into suitable containers.

CLEANUP PROCEDURE

Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Do not inhale. Avoid contact with eyes. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabelled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

STORAGE CONDITIONS

Store in original container, tightly sealed, protected from direct sunlight and moisture. Preserve in tight containers away from heat and sources of ignition.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Chemical Name: (E)-ANETHOLE CAS #: 4180-23-8

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	N/L	N/L	-	-	-	-
ACGIH TLV	N/L	N/L	N/L	-	-	-
NIOSH	N/L	N/L	N/L	N/L	N/L	-
AIHA WEEL	N/L	N/L	N/L	-	-	-
Safe Work Australia HSIS	N/L	N/L	N/L	-	-	-
HSE	N/L	N/L	N/L	-	-	-

Chemical Name: ETHANOL CAS #: 64-17-5

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	1000 ppm (1900 mg/m ³)	N/L	-	-	-	-
ACGIH TLV	N/L	N/L	1000 ppm	-	-	-
NIOSH	1000 ppm (1900 mg/m ³)	N/L	N/L	N/L	3300 ppm 10%LEL (See:64175)	-
AIHA WEEL	N/L	N/L	N/L	-	-	-
Safe Work Australia HSIS	1000 ppm (1880 mg/m ³)	N/L	N/L	-	-	-
HSE	1000 ppm (1920 mg/m ³)	N/L	N/L	-	-	-

Chemical Name: ETHYL BUTYRATE CAS #: 105-54-4

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	N/L	N/L	-	-	-	-
ACGIH TLV	N/L	N/L	N/L	-	-	-
NIOSH	N/L	N/L	N/L	N/L	N/L	-
AIHA WEEL	N/L	N/L	N/L	-	-	-
Safe Work Australia HSIS	N/L	N/L	N/L	-	-	-
HSE	N/L	N/L	N/L	-	-	-

Chemical Name: ISOAMYL ACETATE CAS #: 123-92-2

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	100 ppm (525 mg/m ³)	N/L	-	-	-	-
ACGIH TLV	50 ppm	N/L	100 ppm	-	-	-
NIOSH	100 ppm (525 mg/m ³)	N/L	N/L	N/L	1000 ppm	-
AIHA WEEL	N/L	N/L	N/L	-	-	-
Safe Work Australia HSIS	50 ppm (270 mg/m ³)	N/L	100 ppm (541 mg/m ³)	-	-	-
HSE	N/L	N/L	N/L	-	-	-

Chemical Name: PROPYLENE GLYCOL CAS #: 57-55-6

	TWA	Ceiling	STEL	REL	IDLH	Remarks
OSHA PEL	N/L	N/L	-	-	-	-
ACGIH TLV	N/L	N/L	N/L	-	-	-
NIOSH	N/L	N/L	N/L	N/L	N/L	-
AIHA WEEL	10 mg/m ³	N/L	N/L	-	-	-
Safe Work Australia HSIS	10 mg/m ³	N/L	N/L	-	-	-
HSE	10 mg/m ³	N/L	N/L	-	-	-

N/L = Not Listed

EXPOSURE GUIDELINES

 Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m³.

PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid				
DESCRIPTION	Colorless to pale yellow liquid with characteristic odor.				
SOLUBILITY	Soluble in water.				
ODOR	Characteristic odor.				
FLAMMABILITY	Flammable liquid and vapor.				
ODOR THRESHOLD	Not available	pH	Not available	MELTING POINT	Not available
BOILING POINT	Not available	FREEZING POINT	Not available	FLASH POINT	26 °C, 78.8 °F
SPECIFIC GRAVITY	0.9552 - 0.9952 (25°C)	EVAPORATION RATE	Not available	EXPLOSIVE LIMIT	Not available
UPPER FLAMMABLE/EXPLOSIVE LIMIT(S)	15.0 (v/v) %	LOWER FLAMMABLE/EXPLOSIVE LIMIT(S)	2.6 (v/v) %	VAPOR PRESSURE	59 hPa (20°C)
VAPOR DENSITY (AIR = 1)	Not available	RELATIVE DENSITY (WATER = 1)	Not available	log P (OCTANOL-WATER)	Not available
AUTO-IGNITION TEMPERATURE	Not available	DECOMPOSITION TEMPERATURE	Not available	VISCOSITY	Not available

NOTES

The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY	Not established
STABILITY	Stable under recommended storage conditions.
MATERIALS TO AVOID	Strong oxidants.
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur.
HAZARDOUS POLYMERIZATION	Will not occur.
POSSIBILITY OF HAZARDOUS REACTION	Not established
CONDITIONS TO AVOID	Moisture, sunlight and extreme temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	<p>Oral: Rat: LD50: (mg/kg): Not available Dermal: Rabbit: LD50: (mg/kg): Not available Inhalation: Rat: LC50: (mg/L/4hr): Not available</p>
SKIN CORROSION/IRRITATION	<p>Based on available data, the classification criteria are not met. Contains ingredient ETHANOL that causes skin irritation.</p>
SERIOUS EYE DAMAGE/EYE IRRITATION	<p>Based on available data, the classification criteria are not met. Contains ingredients (ETHANOL and ETHYL BUTYRATE) causes eye irritation.</p>
RESPIRATORY OR SKIN SENSITIZATION	<p>Respiratory sensitization: Due to lack of data the classification is not possible. Skin sensitization: CINNAMIC ALDEHYD is on the EU list of 26 substances that are considered skin allergens. trans-Cinnamaldehyde and trans-cinnamic alcohol cause allergic contact dermatitis (ACD) in humans; cinnamaldehyde is a more potent sensitizer than cinnamic alcohol. These two chemicals are principal constituents of the European Standard 'Fragrance Mix', as used in patch testing diagnostics of sensitization to fragrances by clinical dermatologists. ETHYL BUTYRATE is a Suspected skin sensitizer: CAESAR skin sensitisation model in VEGA (Q)SAR platform predicts that the chemical is Sensitizer (good reliability).</p>
GERM CELL MUTAGENICITY	<p>Due to lack of data the classification is not possible.</p>
CARCINOGENICITY	<p>OSHA ETHANOL is listed. Based on the compositional information available from the supplier, no other component of this product is listed.</p> <p>NTP ETHANOL is listed. Based on the compositional information available from the supplier, no other component of this product is listed.</p> <p>IARC ETHANOL is listed in group 1 (carcinogenic to humans). Based on the compositional information available from the supplier, no other component of this product is listed.</p> <p>California Proposition 65 This product contains the following chemical known to the State of California to cause cancer: ETHANOL. Based on the compositional information available from the supplier, no other component of this product is listed.</p>
ADDITIONAL CARCINOGENICITY INFORMATION	<p>Based on available data, the classification criteria are not met.</p>
REPRODUCTIVE TOXICITY	<p>Due to lack of data the classification is not possible.</p>
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	<p>Due to lack of data the classification is not possible.</p>
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	<p>Due to lack of data the classification is not possible.</p>
ASPIRATION HAZARDS	<p>Due to lack of data the classification is not possible.</p>
SIGNS AND SYMPTOMS OF EXPOSURE	<p>Not expected to present a significant hazard under anticipated conditions of normal use. May cause an allergic reaction.</p>
POTENTIAL HEALTH EFFECTS	<p>Inhalation May be harmful if inhaled. Causes respiratory tract irritation.</p> <p>Ingestion May be harmful if swallowed.</p> <p>Skin May be harmful if absorbed through skin. Causes skin irritation. May cause an allergic skin reaction.</p> <p>Eyes Causes eye irritation.</p>

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY	<p>EC50: 48 Hr: Crustacea: (mg/L): Not available LC50: 96 Hr: Fish: (mg/L): Not available EC50: 72 or 96 Hr: Algae (or other aqua plants): (mg/L): Not available</p>
PERSISTENCE AND DEGRADABILITY	<p>Not available</p>

BIOACCUMULATIVE POTENTIAL	Not available
MOBILITY IN SOIL	Soluble in water.
OTHER ADVERSE EFFECTS	Not available
	This product is not intended to be released into the environment

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.
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SECTION 14: TRANSPORT INFORMATION

UNITED STATES & CANADA

UN PROPER SHIPPING NAME	EXTRACTS, FLAVOURING, LIQUID
UN NUMBER	1197
CLASS	3
PACKING GROUP	III

AUSTRALIA

UN PROPER SHIPPING NAME	EXTRACTS, FLAVOURING, LIQUID
UN NUMBER	1197
CLASS	3
PACKING GROUP	III
HAZCHEM	•3Y

ENVIRONMENTAL HAZARDS	Not available
SPECIAL SHIPPING INFORMATION	Not applicable

SECTION 15: REGULATORY INFORMATION

Chemical Name & CAS	CERCLA 40 CFR Part 302.4	SARA (Title III) 40 CFR Part 372.65	EPA 40 CFR Part 355		Pennsylvania	Right-to-know		California Prop 65
			Appendix A	Appendix B		New Jersey	Massachusetts	
PROPYLENE GLYCOL 57-55-6	N/L	N/L	N/L	N/L	X	X	N/L	N/L
ETHANOL 64-17-5	N/L	N/L	N/L	N/L	X	X	X	X
ISOAMYL ACETATE 123-92-2	X	N/L	N/L	N/L	X	X	X	N/L
ETHYL BUTYRATE 105-54-4	N/L	N/L	N/L	N/L	X	X	X	N/L
(E)-ANETHOLE 4180-23-8	N/L	N/L	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

Chemical Name & CAS	Poisons and Therapeutic Goods Regulation	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors
PROPYLENE GLYCOL 57-55-6	N/L	N/L	N/L
ETHANOL 64-17-5	N/L	N/L	Listed as Category III
ISOAMYL ACETATE 123-92-2	N/L	N/L	N/L
ETHYL BUTYRATE 105-54-4	N/L	N/L	N/L
(E)-ANETHOLE 4180-23-8	N/L	N/L	Listed as Category I

SECTION 16: OTHER INFORMATION

REFERENCES

Available upon request

ABBREVIATIONS AND ACRONYMS

CAS – Chemical Abstract Service; **GHS** – Global Harmonized System; **OSHA PEL** – Occupational Safety & Health Administration Permissible Exposure Limits; **TWA** – Time Weighted Average; **HSIS** – Hazardous Substances Information System; **STEL** – Short Term Exposure Limit; **AIHA WEEL** – American Industrial Hygiene Association Workplace Environment Exposure Levels; **LD50** – Lethal Dose, 50%; **IARC** – International Agency for Research on Cancer; **NTP** – National Toxicology Program; **WHMIS** – Workplace Hazardous Materials Information System; **SARA** – Superfund Amendments and Reauthorization Act; **EPA** – Environmental Protection Agency; **CERCLA** – Comprehensive Environmental Response, Compensation, and Liability Act; **HMIS** – Hazardous Materials Information System; **NIOSH** – National Institute for Occupational Safety and Health; **MSHA** – Mine Safety and Health Administration; **ACGIH** – American Conference of Governmental Industrial Hygienists; **IDHL** – Immediately Dangerous to Health or Life; **TLV** – Threshold Limit Value; **HSE** – Health and Safety Executive; **REL** – Recommended Exposure Limit

LAST REVISION

03/2019

SUPERSEDES

04/2016

DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.