



# Material Safety Data Sheet

Issuing date 10-Nov-2011

Revision Date 10-Nov-2011

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Freeze Gum Remover  
**Product code** 41811  
**Recommended Use** Aerosol- Gum Remover

### **Distributor**

Swisher Hygiene Inc.  
4725 Piedmont Row Drive,  
Suite 400,  
Charlotte, NC 28210

**Chemical Emergency Phone Number** 800-424-9300 (Chemtrec)

**Company Emergency Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### **Emergency Overview**

EXTREMELY FLAMMABLE LIQUID AND VAPOR. FLAMMABLE

Aerosol. CONTENTS UNDER PRESSURE

Will be easily ignited by heat, spark or flames

Harmful in contact with eyes

Can cause adverse reproductive effects - such as birth defects, miscarriage, or infertility. Cancer hazard. Prolonged exposure may cause chronic effects

**Appearance** Compressed liquefied gas.

**Physical state** liquid.

**Odor** Butyl Odor

### **Potential Health Effects**

#### **Acute toxicity**

##### **Eyes**

Contact may irritate or burn eyes. Eye contact may result in corneal injury.

##### **Skin**

Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

##### **Inhalation**

Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

##### **Ingestion**

Exposure by ingestion of an aerosol is unlikely. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

#### **Chronic Effects**

Unconsciousness. Conjunctiva. Cyanosis (blue tissue condition, nails, lips, and/or skin). Liver injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Can cause adverse reproductive effects - such as birth defects, miscarriages, or infertility. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

**Aggravated Medical Conditions** Discomfort in the chest. Corneal damage. Narcosis. Cyanosis (blue tissue condition, nails, lips, and/or skin). Coughing. Liver enlargement. Jaundice. Conjunctivitis. Defatting of the skin. Skin irritation. Target organs - Blood. Central nervous system. Liver. Lungs.

**Environmental hazard** See Section 12 for additional Ecological Information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name | CAS-No   | Weight % |
|---------------|----------|----------|
| N-Butane      | 106-97-8 | 60-70    |
| Ethyl alcohol | 64-17-5  | 8-10     |
| Propane       | 74-98-6  | 20-30    |

### 4. FIRST AID MEASURES

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Remove and isolate contaminated clothing and shoes. Wash off with warm water and soap. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin.

**Inhalation** If symptoms develop move victim to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.

**Ingestion** If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Notes to physician** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties** Highly flammable

**Flash point** Not determined. -156 °F -104.4 °C

**Suitable Extinguishing Media** Foam, Dry chemical and Carbon dioxide. Do not use water jet.

**Explosion Data**

**Sensitivity to Mechanical Impact** none

**Sensitivity to Static Discharge** none

**Specific hazards arising from the chemical** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Protective Equipment and Precautions for Firefighters** In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.

|             |                 |                |                   |  |
|-------------|-----------------|----------------|-------------------|--|
| <b>NFPA</b> | Health Hazard 0 | Flammability 0 | Stability 0       | <b>Physical and chemical hazards -</b><br><b>Personal protection -</b> |
| <b>HMIS</b> | Health Hazard 1 | Flammability 4 | Physical Hazard 0 |  |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |  |
|----------------------------------|--|
| <b>Personal precautions</b>      | Ensure adequate ventilation  |
| <b>Environmental precautions</b> | Try to prevent the material from entering drains or water courses  |
| <b>Methods for Containment</b>   | Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. |
| <b>Methods for cleaning up</b>   | Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal                                |

## 7. HANDLING AND STORAGE

|  |   |
|--|---|
| <b>Advice on safe handling</b>               | Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not get this material in contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid prolonged exposure. |
| <b>Technical measures/Storage conditions</b> | Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.                               |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name            | ACGIH TLV      | OSHA PEL                                  | NIOSH IDLH  |
|--------------------------|----------------|---|---|
| N-Butane<br>106-97-8     | TWA: 1000 ppm  |   | TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>                    |
| Ethyl alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> |
| Propane<br>74-98-6       | TWA: 1000 ppm  | TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> |

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment Institutional Environment

|                                 |   |
|---------------------------------|---|
| <b>Eye/Face Protection</b>      | Safety glasses are suggested when using this product in heavy use and institutional environments. |
| <b>Consumer Environments</b>    | Care should be taken to avoid Eye contact.  |
| <b>Skin and body protection</b> | Rubber gloves   |
| <b>Respiratory protection</b>   | Unnecessary in open institutional environment.  |
| <b>Hygiene measures</b>         | Practice good personal hygiene. Wash after handling.  |

### Personal Protective Equipment Industrial Environment

|                                 |  |
|---------------------------------|--|
| <b>Eye/Face Protection</b>      | Splash-proof chemical goggles or face shield.                                      |
| <b>Skin and body protection</b> | Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron. |

|                               |   |
|-------------------------------|---|
| <b>Respiratory protection</b> | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| <b>Hygiene measures</b>       | Practice good personal hygiene. Wash after handling. Shower at end of work period<br>Practice good personal hygiene. Wash after handling  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                       |                           |                       |                          |
|-----------------------|---------------------------|-----------------------|--------------------------|
| <b>Physical state</b> | liquid                    | <b>Odor</b>           | Butyl Odor               |
| <b>Appearance</b>     | Compressed liquefied gas. | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | colorless                 |                       |                          |

| <u>Property</u>                               | <u>Values</u>            | <u>Remarks</u>           | <u>Methods</u> |
|---|--------------------------|--------------------------|----------------|
| <b>pH</b>                                     |                          | No information available |                |
| <b>Melting/freezing point</b>                 |                          | No information available |                |
| <b>Freezing Point</b>                         |                          | No information available |                |
| <b>Boiling point/boiling range</b>            | -17.2 °C 1.4 °F          | No information available |                |
| <b>Flash Point</b>                            | -104.4 °C -156 °F        | No information available |                |
| <b>Evaporation rate</b>                       |                          | No information available |                |
| <b>Flammability (solid, gas)</b>              |                          | No information available |                |
| <b>Flammability Limits in Air</b>             |                          | No information available |                |
| upper flammability limit                      |                          |                          |                |
| lower flammability limit                      |                          |                          |                |
| <b>Explosion Limits</b>                       |                          |                          |                |
| upper   |                          |                          |                |
| lower   |                          |                          |                |
| <b>Vapor pressure</b>                         | 60-70                    | No information available |                |
| <b>Vapor density</b>                          | 0.5699                   | No information available |                |
| <b>Specific Gravity</b>                       | 0.57                     | No information available |                |
| <b>Water solubility</b>                       | Partially                | No information available |                |
| <b>Solubility in other solvents</b>           |                          | No information available |                |
| <b>Partition coefficient: n-octanol/water</b> |                          | No information available |                |
| <b>Autoignition temperature</b>               |                          | No information available |                |
| <b>Decomposition temperature</b>              |                          | No information available |                |
| <b>Viscosity, kinematic</b>                   |                          | No information available |                |
| <b>Viscosity, dynamic</b>                     |                          |                          |                |
| <b>Explosive properties</b>                   | No information available |                          |                |
| <b>Oxidizing Properties</b>                   | No information available |                          |                |

### 9.2 Other information

|                           |                          |
|---------------------------|--------------------------|
| <b>Softening point</b>    | No information available |
| <b>Molecular Weight</b>   | No information available |
| <b>VOC Content(%)</b>     | No information available |
| <b>Density VALUE</b>      | No information available |
| <b>Bulk Density VALUE</b> | No information available |

## 10. STABILITY AND REACTIVITY

|                              |  |
|------------------------------|--|
| <b>Stability</b>             | Risk of ignition.                        |
| <b>Incompatible products</b> | None known based on information supplied |
| <b>Conditions to Avoid</b>   | Heat, flames and sparks                  |

**Hazardous Decomposition Products** None known based on information supplied

**Hazardous Polymerization** Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

| Chemical Name | LD50 Oral          | LD50 Dermal | LC50 Inhalation        |
|---------------|--------------------|-------------|------------------------|
| N-Butane      |                    |             | 658 mg/L ( Rat ) 4 h   |
| Ethyl alcohol | 7060 mg/kg ( Rat ) |             | 124.7 mg/L ( Rat ) 4 h |
| Propane       |                    |             | 658 mg/L ( Rat ) 4 h   |

### Chronic toxicity

**Chronic toxicity** Unconsciousness. Conjunctiva. Cyanosis (blue tissue condition, nails, lips, and/or skin). Liver injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Can cause adverse reproductive effects - such as birth defects, miscarriages, or infertility. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. May cause delayed lung injury.

**Carcinogenicity** IARC – Group 1 (Carcinogenic to Humans)  
Ethyl alcohol 64-17-5 Monograph 100E [in preparation] (in alcoholic beverages)

| Chemical Name | ACGIH | IARC    | NTP   | OSHA |
|---------------|-------|---------|-------|------|
| Ethyl alcohol | A3    | Group 1 | Known | X    |

**Reproductive toxicity** Reproductive effects Hazardous by OSHA criteria. Possible reproductive hazard. Can cause adverse reproductive effects -such as birth defects, miscarriages, or infertility.

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecological injuries are not known or expected under normal use.

| Chemical Name | Toxicity to algae | Toxicity to fish   | Toxicity to microorganisms                          | Toxicity to daphnia and other aquatic invertebrates   |
|---------------|-------------------|--|---|---|
| Ethyl alcohol |                   | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss mL/L<br>LC50 static 13400 - 15100:<br>96 h Pimephales promelas<br>mg/L LC50 flow-through 100:<br>96 h Pimephales promelas<br>mg/L LC50 static | EC50 = 34634 mg/L 30 min<br>EC50 = 35470 mg/L 5 min | 10800: 24 h Daphnia magna<br>mg/L EC50 2: 48 h Daphnia<br>magna mg/L EC50 Static<br>9268 - 14221: 48 h Daphnia<br>magna mg/L LC50 |

| Chemical Name | log Pow |
|---------------|---------|
| N-Butane      | 2.89    |
| Ethyl alcohol | 0       |
| Propane       | 2.3     |

## 13. DISPOSAL CONSIDERATIONS

|                               |   |
|-------------------------------|---|
| <b>Waste Disposal Methods</b> | Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container to hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations. |
| <b>Contaminated packaging</b> | Do not re-use empty containers  |
| <b>US EPA Waste Number</b>    | D001: Waste Flammable material with a flash point <140 F  |

| Chemical Name | California Hazardous Waste Status |
|---------------|-----------------------------------|
| Ethyl alcohol | Toxic Ignitable                   |

#### 14. TRANSPORT INFORMATION

|                             |                           |
|-----------------------------|---------------------------|
| <b>Note</b>                 | Consumer Commodity, ORM-D |
| <b>Dot</b>                  | Regulated                 |
| <b>Proper shipping name</b> | Consumer Commodity, ORM-D |
| <b>TDG</b>                  | Not regulated             |
| <b>MEX</b>                  | Not regulated             |
| <b>ICAO</b>                 | Not regulated             |
| <b>ICAO/IATA</b>            | Not regulated             |
| <b>IMDG / IMO</b>           | Not regulated             |
| <b>RID</b>                  | Not regulated             |
| <b>ADR/RID</b>              | Not regulated             |
| <b>ADN</b>                  | Not regulated             |

#### 15. REGULATORY INFORMATION

##### International Inventories

|               |          |
|---------------|----------|
| <b>TSCA</b>   | TSCA     |
| <b>DSL</b>    | Complies |
| <b>NDSL</b>   | Complies |
| <b>EINECS</b> | Complies |
| <b>ELINCS</b> | -        |
| <b>ENCS</b>   | Complies |
| <b>IECSC</b>  | Complies |
| <b>KECL</b>   | Complies |
| <b>PICCS</b>  | Complies |
| <b>AICS</b>   | Complies |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

##### U.S. Federal Regulations

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute Health Hazard</b>               | no  |
| <b>Chronic Health Hazard</b>             | no  |
| <b>Fire Hazard</b>                       | Yes |
| <b>Sudden Release of Pressure Hazard</b> | Yes |
| <b>Reactive Hazard</b>                   | no  |

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

| Chemical Name | California Prop. 65         |
|---------------|-----------------------------|
| Ethyl alcohol | Carcinogen<br>Developmental |

**U.S. State Right-to-Know Regulations**

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

U.S. - Pennsylvania - RTK (Right to Know) List

Ethyl alcohol 64-17-5 present  
n-butane 106-97-8 present  
Propane 74-98-6 present

**International Regulations**

| Chemical Name | Carcinogen Status | Exposure Limits   |
|---------------|-------------------|---|
| N-Butane      |                   | Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m <sup>3</sup>  |
| Ethyl alcohol |                   | Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup> |

**Canada**

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

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**16. OTHER INFORMATION**

**Prepared By** Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210

**Issuing date** 10-Nov-2011

**Revision Date** 10-Nov-2011

**Revision Note** No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet**