

**SAFETY DATA SHEET****Gum Free****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name** Gum Free**1.2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses** Freezer Spray**1.3. Details of the supplier of the safety data sheet****Supplier** Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com**1.4. Emergency telephone number****Emergency telephone** +44 (0)7831 300868**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification****Physical hazards**

Aerosol 3 - H229

**Health hazards**

Not Classified

**Environmental hazards**

Not Classified

**Classification (67/548/EEC or 1999/45/EC)****Human health**

Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Environmental**

This product does not contain substances which are harmful to aquatic organisms or which may cause long term effects to the aquatic environment

**Physicochemical**

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

**2.2. Label elements****Signal word** Warning**Hazard statements**

H229 Pressurised container: may burst if heated

**Precautionary statements**

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P102 Keep out of reach of children.

P501 Dispose of contents/container in accordance with local regulations.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P260 Do not breathe vapour/spray.

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

### Supplemental label information

Contains 0.48 kg of a fluorinated greenhouse gas covered by the Kyoto protocol: HFC-134a (Tetrafluoroethane : EC No. 212-377-0).

Global Warming Potential (GWP) in CO<sub>2</sub> equivalent: 1430.

### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

TETRAFLUOROETHANE	60-100%
CAS number: 811-97-2    EC number: 212-377-0    REACH registration number: Exempt under REACH	
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Move affected person to fresh air at once.

#### Inhalation

Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.

#### Ingestion

Rinse mouth thoroughly with water.

#### Skin contact

Rinse with water. Get medical attention if irritation persists after washing.

#### Eye contact

Rinse with water. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

### 4.3. Indication of any immediate medical attention and special treatment needed

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is not flammable. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

### 5.2. Special hazards arising from the substance or mixture

#### Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Decomposes on contact with flames and hot surfaces to produce hydrofluoric acid and fluorophosgene. Containers can burst violently or explode when heated, due to excessive pressure build-up.

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### **5.3. Advice for firefighters**

#### **Protective actions during firefighting**

Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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## **SECTION 6: Accidental release measures**

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### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Not considered to be a significant hazard due to the small quantities used.

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

VENTILATE/EVAPORATE.

### **6.4. Reference to other sections**

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## **SECTION 7: Handling and storage**

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### **7.1. Precautions for safe handling**

#### **Usage precautions**

Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage precautions**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degrees Centigrade. Do not pierce or burn, even after use.

### **7.3. Specific end use(s)**

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## **SECTION 8: Exposure Controls/personal protection**

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### **8.1. Control parameters**

#### **Occupational exposure limits**

#### **TETRAFLUOROETHANE**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm

WEL = Workplace Exposure Limit

#### **Ingredient comments**

WEL = Workplace Exposure Limits

### **8.2. Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

#### **Personal protection**

When using do not smoke.

#### **Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### **Hand protection**

Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an

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approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

### Other skin and body protection

Not relevant

### Hygiene measures

Wash hands after handling. Wash promptly if skin becomes contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

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## SECTION 9: Physical and Chemical Properties

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### 9.1. Information on basic physical and chemical properties

#### Appearance

Aerosol.

#### Colour

N/A

#### Odour

No characteristic odour.

#### Relative density

1.206 @ °C

#### Comments

Information given is applicable to the major ingredient.

### 9.2. Other information

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## SECTION 10: Stability and reactivity

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### 10.1. Reactivity

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

#### Materials to avoid

Alkali metals.

### 10.6. Hazardous decomposition products

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## SECTION 11: Toxicological information

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### 11.1. Information on toxicological effects

#### General information

Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

#### Inhalation

In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

#### Ingestion

No specific health hazards known.

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### Skin contact

Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.

### Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

### Acute and chronic health hazards

Arrhythmia (deviation from normal heart beat). In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

### Route of entry

Inhalation

### Target organs

Central nervous system Respiratory system, lungs

### Medical symptoms

Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

## SECTION 12: Ecological Information

### Ecotoxicity

No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### General information

Do not puncture or incinerate, even when empty.

#### Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

### 14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

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Proper shipping name (ADN) AEROSOLS

**14.3. Transport hazard class(es)**

ADR/RID class 2.2

ADR/RID subsidiary risk

ADR/RID label 2.2

IMDG class 2.2

IMDG subsidiary risk

ICAO class/division 2.2

ICAO subsidiary risk

Transport labels

**14.4. Packing group**

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

EmS F-D, S-U

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

Tunnel restriction code (E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**Guidance**

Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

**15.2. Chemical safety assessment****SECTION 16: Other information**

Revision date 16/10/2014

Revision 1

## Gum Free

<b>SDS number</b>	10078
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	NC Not classified.
<b>Hazard statements in full</b>	H229 Pressurised container: may burst if heated

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.