

# SAFETY DATA SHEET

SELFREEZ

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name SELFREEZ

Product number K003

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Chewing gum remover

### 1.3. Details of the supplier of the safety data sheet

Supplier **SELDEN RESEARCH LIMITED**  
STADEN LANE  
BUXTON  
DERBYSHIRE  
SK17 9RZ  
UNITED KINGDOM

Tel. 01298 26226  
Fax. 01298 26540  
email safety@selden.co.uk

### 1.4. Emergency telephone number

National emergency telephone number Mon to Fri 8.30am to 5.00pm - 01298 26226

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification

##### Physical hazards

Aerosol 1 - H222, H229

##### Health hazards

Not Classified

##### Environmental hazards

Not Classified

#### Classification (67/548/EEC or 1999/45/EC)

F+;R12.

#### Physicochemical

Very high atmospheric concentrations of vapour may cause abnormal heart rhythm, anaesthetic effects and asphyxiation. Spray may cause freeze burns to skin & eyes.

### 2.2. Label elements

#### Pictogram



Signal word Danger

#### Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

#### Precautionary statements

## SELFREEZ

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

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

### 2.3. Other hazards

PRESSURISED CONTAINER - increase in temperature to greater than 50C will cause internal pressure to rise potentially causing bursting/explosion.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>BUTANE</b>	<b>30-60%</b>
<b>CAS number:</b> 106-97-8 <b>EC number:</b> 203-448-7	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Gas 1 - H220	F+;R12
Press. Gas, Liquefied - H280	

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

#### Inhalation

Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately. For breathing difficulties oxygen may be necessary.

#### Ingestion

Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

#### Skin contact

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

#### Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

#### Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

#### Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

#### Skin contact

Prolonged contact may cause redness, irritation and dry skin.

#### Eye contact

May cause severe eye irritation.

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

#### Notes for the doctor

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

## SELFREEZ

Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

### **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.

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

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

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

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

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

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

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

#### **Personal precautions**

For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixture with air.

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

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

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. If leakage cannot be stopped, evacuate area.

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

#### **Reference to other sections**

For personal protection, see Section 8. For waste disposal, see Section 13.

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

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

#### **Usage precautions**

Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

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

#### **Storage precautions**

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

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

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

The identified uses for this product are detailed in Section 1.2.

#### **Usage description**

See product label for detailed usage and instructions.

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

### **8.1. Control parameters**

#### **Occupational exposure limits**

# SELFREEZ

## BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### Ingredient comments

WEL = Workplace Exposure Limits

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

The following protection should be worn: Chemical splash goggles.

### Hand protection

Use protective gloves.

### Other skin and body protection

General workwear only

### Hygiene measures

DO NOT SMOKE IN WORK AREA!

## SECTION 9: Physical and Chemical Properties

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

#### Appearance

Aerosol.

#### Colour

Colourless.

#### Odour

Almost odourless.

#### pH

pH (concentrated solution): N/A

#### Flash point

<-45°C

#### Evaporation rate

FAST

#### Upper/lower flammability or explosive limits

: 1.4

#### Solubility(ies)

Insoluble in water

#### Auto-ignition temperature

> 200°C

#### Comments

Information given relates to total aerosol container contents.

### 9.2. Other information

#### Other information

## SELFREEZ

None.

### Volatility

100

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May react with other cleaning chemicals. For specific reactions refer to Section 10.5

### 10.2. Chemical stability

#### Stability

Stable at normal ambient temperatures. Avoid the following conditions: Shocks and physical damage.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicological effects

No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

#### Inhalation

High concentrations of vapour even for short periods must be avoided since this may be dangerous and cause unconsciousness and prove suddenly fatal.

#### Ingestion

Highly unlikely - but will cause freeze burns.

#### Skin contact

Contact with liquid will cause freezing of body tissue and frostbite.

#### Eye contact

Irritation is likely. Contact with liquid causes freezing of body tissue and frostbite

## SECTION 12: Ecological Information

### Ecotoxicity

Because product is so volatile if it is released into the environment the liquid would very quickly turn into vapour.

### 12.1. Toxicity

Aquatic toxicity has not been carried out on this product. Data for raw materials contained in this product, when available, can be provided when necessary.

### 12.2. Persistence and degradability

#### Persistence and degradability

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.

### 12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

#### Mobility

The product contains substances, which are water soluble and may spread in water systems.

## SELFREEZ

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

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

None known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## **SECTION 14: Transport information**

### **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, FLAMMABLE
Proper shipping name (IMDG)	AEROSOLS, FLAMMABLE
Proper shipping name (ICAO)	AEROSOLS, FLAMMABLE
Proper shipping name (ADN)	AEROSOLS, FLAMMABLE

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

ADR/RID class	2
IMDG class	2.1
ICAO class/division	2.1

### **14.4. Packing group**

### **14.5. Environmental hazards**

### **14.6. Special precautions for user**

### **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**

Control of Substances Hazardous to Health Regulations 2002 (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **EU legislation**

System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

### **15.2. Chemical safety assessment**

## SELFREEZ

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

### SECTION 16: Other information

#### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

#### Revision comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

**Revision date** 29/05/2015

**Revision** 13

#### Risk phrases in full

R12 Extremely flammable.

#### Hazard statements in full

H220 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated

H280 Contains gas under pressure; may explode if heated.