

**SAFETY DATA SHEET****FL EE SPRAY****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** FLEE SPRAY

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

**Identified uses** Flea and Dust Mite allergen control spray

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

**Supplier** Bimeda UK  
Bryn Cefni Business Park  
Llangefni  
Anglesey  
LL77 7XA  
UK  
+44 (0) 1248 725 400

**Manufacturer** Selden Research Ltd  
Staden Business Park  
Staden Lane  
Derbyshire  
SK17 9RZ  
ENGLAND  
Tel. +44 (0)1298 26226  
Fax. +44 (0)1298 26540  
safety@selden.co.uk

**1.4. Emergency telephone number**

**National emergency telephone number** Mon to Fri 9.00am to 5.00pm - +44 (0) 1248 725400

**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

**2.2. Label elements****Pictogram**

**Signal word** Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated

**Precautionary statements**

**FLEE SPRAY**

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.

P261 Avoid breathing vapour/spray.

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

P102 Keep out of reach of children.

**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>10-30%</b>
CAS number: 106-97-8    EC number: 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****General information**

Treat symptomatically.

**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. Give plenty of water to drink. Get medical attention.

**Skin contact**

Wash skin thoroughly with soap and 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****General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Vapours in high concentrations are anaesthetic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Central nervous system depression.

**Ingestion**

Causes chemical burns to mouth, throat and stomach. May cause stomach pain or vomiting.

**Skin contact**

No specific symptoms known.

**Eye contact**

Irritation of eyes and mucous membranes.

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

## FLEE SPRAY

### Notes for the doctor

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

Any spillage needs to be contained and not allowed to enter water courses

### 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

## FLEE SPRAY

### **8.1. Control parameters**

#### **Occupational exposure limits**

##### **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**

#### **Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

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

Eye protection not normally required with day to day use of product

#### **Hand protection**

No specific hand protection noted, but gloves may still be advisable.

#### **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**

Odourless.

#### **pH**

Not applicable.

#### **Flash point**

- 74°C N/A.

#### **Upper/lower flammability or explosive limits**

: 1.8

#### **Bulk density**

0.763 kg/l

#### **Solubility(ies)**

Immiscible with water

#### **Auto-ignition temperature**

+ 405°C

#### **Comments**

Information given relates to total aerosol container contents.

### **9.2. Other information**

#### **Other information**

None.

## **SECTION 10: Stability and reactivity**

## FLEE SPRAY

### **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.

### **10.3. Possibility of hazardous reactions**

No potentially hazardous reactions known.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Increase in temperature to greater than 50 degrees will cause rise in internal pressure with likelihood of bursting/explosion.

### **10.5. Incompatible materials**

#### **Materials to avoid**

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### **10.6. Hazardous decomposition products**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

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## **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**

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Gas or vapour displaces oxygen available for breathing (asphyxiant). Unconsciousness.

#### **Ingestion**

May cause burns in mucous membranes, throat, oesophagus and stomach. May cause stomach pain or vomiting.

#### **Skin contact**

No specific health hazards known.

#### **Eye contact**

Irritation of eyes and mucous membranes.

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## **SECTION 12: Ecological Information**

### **Ecotoxicity**

Not regarded as dangerous for the environment.

### **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 product is biodegradable.

### **12.3. Bioaccumulative potential**

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

### **12.4. Mobility in soil**

#### **Mobility**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

**FLEE SPRAY****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 Class Code:5F Label: 2.1

IMDG class 2.1

ICAO class/division 2.1

**14.4. Packing group**

IMDG packing group N/A

ICAO packing group N/A

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

Tunnel restriction code (D)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not relevant.

**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**

## FLEE SPRAY

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

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** 27/11/2014

**Revision** 1

**SDS number** 21077

### 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.