

SAFETY DATA SHEET

BG100 SILICONE SPRAY

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

1.1. Product identifier

Product name BG100 SILICONE SPRAY
 Product number A1555
 Internal identification A1555

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

Identified uses Lubricant.

1.3. Details of the supplier of the safety data sheet

Supplier JANGRO LTD
 JANGRO HOUSE
 WORSLEY ROAD
 FARNWORTH
 BOLTON
 BL4 9LU
 0845 458 5223
 enquiries@jangrohq.net

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
 Aerosol 1 - H222, H229 Aerosol 1 - H222, H229

Health hazards
 Skin Irrit. 2 - H315

Environmental hazards
 Aquatic Chronic 3 - H412

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

F+;R12. R52/53,R67.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated
 H229 Pressurised container: may burst if heated
 H412 Harmful to aquatic life with long lasting effects.
 H315 Causes skin irritation.
 H222 Extremely flammable aerosol.

Precautionary statements

BG100 SILICONE 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container in accordance with national regulations.
- P271 Use only outdoors or in a well-ventilated area.

Contains HYDROCARBON PROPELLANT

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|---|--|
| HYDROCARBON PROPELLANT | 60-100% |
| CAS number: 68476-85-7 EC number: 270-704-2 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Flam. Gas 1 - H220 | F+;R12. |
| Press. Gas, Liquefied - H280 | |
| Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic | 10-30% |
| CAS number: — EC number: 927-510-4 REACH registration number: 01-2119475515-33-xxxx | |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Flam. Liq. 2 - H225 | Xn;R65. Xi;R38. F;R11. N;R51/53. R67. |
| Skin Irrit. 2 - H315 | |
| STOT SE 3 - H336 | |
| Asp. Tox. 1 - H304 | |
| STOT SE 3 - H336 | |
| Aquatic Chronic 2 - H411 | |

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 and keep warm and at rest in a position comfortable for breathing.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact

Rinse immediately with plenty of water. 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 drowsiness and dizziness.

Ingestion

BG100 SILICONE SPRAY

May cause discomfort if swallowed.

Skin contact

Causes skin irritation.

Eye contact

May cause discomfort.

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

Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Extremely flammable aerosol. Pressurised container: may burst if heated

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective actions during firefighting

Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing, gloves, eye and face protection. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. Provide adequate ventilation. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

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

BG100 SILICONE SPRAY

vapours/spray and contact with skin and eyes. Do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Wear protective clothing, gloves, eye and face protection. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store at temperatures between 4°C and 40°C.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)

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

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m3

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m3

Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m3

Short-term exposure limit (15-minute): WEL No std.

WEL = Workplace Exposure Limit

Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic

DNEL

Industry - Dermal; Long term : 300 mg/kg/day

Industry - Inhalation; Long term : 2085 mg/m3

Consumer - Dermal; Long term : 149 mg/kg/day

Consumer - Inhalation; Long term : 447 mg/m3

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

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: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

BG100 SILICONE SPRAY

Colour

Colourless.

Odour

Hydrocarbons.

pH

Not applicable.

Solubility(ies)

Insoluble in water.

9.2. Other information**Other information**

Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

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

Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Inhalation**

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort.

Skin contact

Causes skin irritation.

Eye contact

May cause discomfort.

BG100 SILICONE SPRAY**Toxicological information on ingredients.****Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic****Acute toxicity - oral****Acute toxicity oral (LD₅₀ mg/kg)**

5,840.0

Species

Rat

ATE oral (mg/kg)

5,840.0

Acute toxicity - dermal**Acute toxicity dermal (LD₅₀ mg/kg)**

2920.0

Species

Rat

ATE dermal (mg/kg)

2920.0

Acute toxicity - inhalation**Acute toxicity inhalation (LC₅₀ vapours mg/l)**

23.3

Species

Rat

ATE inhalation (vapours mg/l)

23.3

SECTION 12: Ecological Information**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

12.1. Toxicity**Acute toxicity - fish**

Not determined.

Ecological information on ingredients.**Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic**

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Acute toxicity - fishLC₅₀, 96 hours: > 13.4 mg/l, Onchorhynchus mykiss (Rainbow trout) LC₅₀, 96 hours: <10 mg/l, Fish**Acute toxicity - aquatic invertebrates**EC₅₀, 48 hours: 3 mg/l, Daphnia magna EC₅₀, 48 hours: <10 mg/l, Daphnia magna**Acute toxicity - aquatic plants**IC₅₀, 72 hours: <10 mg/l, Algae**Chronic toxicity - fish early life stage**

NOEC, 28 days: 1.53 mg/l, Onchorhynchus mykiss (Rainbow trout)

Chronic toxicity - aquatic invertebrates

NOEC, 21 days: 1 mg/l, Daphnia magna

12.2. Persistence and degradability**Persistence and degradability**

The product is expected to be biodegradable.

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Ecological information on ingredients.

Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic

Persistence and degradability

The product is not readily biodegradable.

Biodegradation

- 98%: 28 days

12.3. Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

Hydrocarbons,C7,n-alkanes,isoalkanes,cyclic

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

14.1. UN number

| | |
|------------------|------|
| UN No. (ADR/RID) | 1950 |
| UN No. (IMDG) | 1950 |
| UN No. (ICAO) | 1950 |
| UN No. (ADN) | 1950 |

14.2. UN proper shipping name

| | |
|--------------------------------|----------|
| Proper shipping name (ADR/RID) | AEROSOLS |
| Proper shipping name (IMDG) | AEROSOLS |
| Proper shipping name (ICAO) | AEROSOLS |
| Proper shipping name (ADN) | AEROSOLS |

14.3. Transport hazard class(es)

| | |
|---------------------|-----|
| ADR/RID class | 2.1 |
| IMDG class | 2.1 |
| ICAO class/division | 2.1 |
| ADN class | 2.1 |

Transport labels

BG100 SILICONE SPRAY**14.4. Packing group**

ADR/RID packing group 5F

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 applicable.

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).

EU legislation

Commission Regulation (EU) No 453/2010 of 20 May 2010. 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.

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

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date 14/05/2015

Revision 4.0

Supersedes date 30/09/2013

Risk phrases in full

R11 Highly flammable.

R12 Extremely flammable.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

BG100 SILICONE SPRAY

- H225 Highly flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H222 Extremely flammable aerosol.
- 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.