

SILICONE SPRAY

UNIVERSAL TRANSPARENT LUBRICANT, SLIPPING AND ANTI-ADHESION AGENT BASED ON PURE SILICONE OIL.



1233406 - GRIFFON SILICONE SPRAY AEROSOL SPRAY CAN 300 ML NL/FR

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 07.10.2011

Version number 90

Revision: 07.10.2011

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

. Product identifier

. Trade name: Silicone spray

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

. Application of the substance / the preparation Lubricant

. Details of the supplier of the safety data sheet

. Manufacturer/Supplier:

Bison International
Dr.A.F.Philipsstraat 9
NL-4462 EW Goes
PO Box 160
NL-4460 AD Goes
tel. +31 113 235700
fax. +31 113 235800
e mail: msds@bison.boltongroup.nl

. Further information obtainable from: Bison QESH

. Emergency telephone number: +31 113 235700

2 Hazards identification

. Classification of the substance or mixture



GHS02 flame

H222 Extremely flammable aerosol.



GHS07

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

. Classification according to Directive 67/548/EEC or Directive 1999/45/EC



F+; Extremely flammable

R12: Extremely flammable.

R52/53-66-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

. Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

. Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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. **Label elements**

. **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

. **Code letter and hazard designation of product:**

F+ Extremely flammable

. **Risk phrases:**

12 Extremely flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

. **Safety phrases:**

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe aerosol.

24 Avoid contact with skin.

51 Use only in well-ventilated areas.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

. **Special labelling of certain preparations:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

. **Classification in accordance with Directive 75/324/EEC:** Extremely flammable

. **Other hazards**

. **Results of PBT and vPvB assessment**

. **PBT:** Not applicable.

. **vPvB:** Not applicable.

3 Composition/information on ingredients

. **Chemical characterization: Mixtures**

. **Description:** Lubricant

. **Dangerous components:**

CAS: 106-97-8 butane 25-50%

EINECS: 203-448-7 F+ R12

H220; H280

CAS: 64742-49-0 Naphtha (petroleum), hydrotreated light 10-25%

EINECS: 265-151-9 Xn R65; Xi R38; F R11; N R51/53

R67
 H225; H304; H411; H315; H336; H401

CAS: 74-98-6 propane 10-25%

EINECS: 200-827-9 F+ R12

H220; H280

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CAS: 64742-48-9 Naphtha (petroleum), hydrotreated heavy

10-25%

EINECS: 265-150-3

☒ Xn R65

R66-67

⚠ H226; ⚠ H304; ⚠ H336; H313

CAS: 110-54-3 n-hexane

≤ 2.5%

EINECS: 203-777-6

☒ Xn R48/20-62-65; ☒ Xi R38; ⚠ F R11; ☒ N R51/53

R67

Repr. Cat. 3

⚠ H225; ⚠ H361; H373; H304; ⚠ H411; ⚠ H315; H336

. Additional information:

For the wording of the listed risk phrases refer to section 16.

4 First aid measures

. Description of first aid measures

. **After inhalation:** Supply fresh air; consult doctor in case of complaints.

. **After skin contact:** Generally the product does not irritate the skin.

. **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

. **After swallowing:** Do not induce vomiting; call for medical help immediately.

. **Information for doctor:**

. **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

5 Firefighting measures

. **Extinguishing media**

. **Suitable extinguishing agents:**

Water haze

Alcohol resistant foam

Fire-extinguishing powder

Carbon dioxide

. **For safety reasons unsuitable extinguishing agents:** Water with full jet

. **Special hazards arising from the substance or mixture**

No further relevant information available.

. **Advice for firefighters**

. **Protective equipment:** Mount respiratory protective device.

. **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

. **Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

. **Methods and material for containment and cleaning up:** Ensure adequate ventilation.

. **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

7 Handling and storage

- . **Handling:**
- . **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- . **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- . **Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:**
Keep receptacle tightly sealed.
Do not seal receptacle gas tight.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- . **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- . **Additional information about design of technical facilities:**
No further data; see item 7.
- . **Control parameters**
- . **Ingredients with limit values that require monitoring at the workplace:**
106-97-8 butane
WEL () Short-term value: 1810 mg/m³, 750 ppm
Long-term value: 1450 mg/m³, 600 ppm
Carc (if more than 0.1% of buta-1.3-diene)
- . **Additional information:** The lists valid during the making were used as basis.
- . **Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- . **Respiratory protection:** Not required.
- . **Protection of hands:**



Protective gloves

Solvent resistant gloves

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The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

. **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

. **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

. **Eye protection:**



Tightly sealed goggles

. **Body protection:** Solvent resistant protective clothing

9 Physical and chemical properties

. **Information on basic physical and chemical properties**

. **General Information**

. **Appearance:**

Form: Aerosol
Colour: According to product specification

. **Odour:** Characteristic

. **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: -0°C

. **Flash point:** < 0°C

. **Ignition temperature:** 240.0°C

. **Self-igniting:** Product is not selfigniting.

. **Explosion limits:**

Lower: 0.6 Vol %

Upper: 10.9 Vol %

. **Vapour pressure at 20°C:** 8300.0 hPa

. **Density at 20°C:** 0.635 g/cm³

. **Solubility in / Miscibility with**

water: Not miscible or difficult to mix.

Solids content: 12.0 %

. **Other information** No further relevant information available.

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10 Stability and reactivity

- . **Reactivity**
- . **Chemical stability**
- . **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- . **Possibility of hazardous reactions** No dangerous reactions known.
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **LD/LC50 values relevant for classification:**
64742-48-9 Naphtha (petroleum), hydrotreated heavy
Oral LD50 >5000 mg/kg (rat)
Dermal LD50 >3000 mg/kg (rab)
- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritating effect.
- . **Sensitization:** No sensitizing effects known.

12 Ecological information

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Ecotoxicological effects:**
- . **Remark:** Harmful to fish
- . **Additional ecological information:**
- . **General notes:**
Harmful to aquatic organisms
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Danger to drinking water if even small quantities leak into the ground.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- . **Uncleaned packaging:**
- . **Recommendation:**
Disposal must be made according to official regulations.

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Packagings that may not be cleansed are to be disposed of in the same manner as the product. (Contd. of page 6)

14 Transport information

- . UN-Number
- . ADR, IMDG, IATA UN1950
- . UN proper shipping name
- . ADR 1950 AEROSOLS
- . IMDG AEROSOLS
- . IATA AEROSOLS, flammable
- . Transport hazard class(es)
- . ADR



- . Class 2 5F Gases.
- . Label 2.1

. IMDG, IATA



- . Class 2.1
- . Label 2.1
- . Packing group
- . ADR, IMDG, IATA Void
- . Environmental hazards:
- . Marine pollutant: No
- . Special precautions for user Warning: Gases.
- . Danger code (Kemler): -
- . EMS Number: F-D, S-U
- . Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

. Transport/Additional information:

- . ADR
- . Limited quantities (LQ) 1L
- . Transport category 2
- . Tunnel restriction code D

. IMDG

- . Remarks: Under certain conditions substances in Class 3 (flammable liquids) can be classified in packinggroup III. See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2

- . UN "Model Regulation": UN1950, AEROSOLS, 2.1

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* 15 Regulatory information

- . **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- . **Code letter and hazard designation of product:**
F+ Extremely flammable
- . **Risk phrases:**
 - 12 Extremely flammable.
 - 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - 66 Repeated exposure may cause skin dryness or cracking.
 - 67 Vapours may cause drowsiness and dizziness.
- . **Safety phrases:**
 - 9 Keep container in a well-ventilated place.
 - 16 Keep away from sources of ignition - No smoking.
 - 23 Do not breathe aerosol.
 - 24 Avoid contact with skin.
 - 51 Use only in well-ventilated areas.
 - 61 Avoid release to the environment. Refer to special instructions/safety data sheets.
- . **Special labelling of certain preparations:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
- . **Classification in accordance with Directive 75/324/EEC:** Extremely flammable
- . **National regulations:**
- . **Technical instructions (air):**
- . **Class Share in %**
 - . III 50-100
- . **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Department issuing MSDS:** QESH Department
- . **Contact:** Reach coordinator
- . *** Data compared to the previous version altered.**

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