

SAFETY DATA SHEET

SILICON SPRAY

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Compilation date: 10-07-2014

Revision No: 1

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

1.1. Product identifier

Product name: SILICON SPRAY

Product code: 4100

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

Use of substance / mixture: PC24: Lubricants, greases, release products.

1.3. Details of the supplier of the safety data sheet

Company name: ProPart International B.V.

Molenakker 3

Reuver

5953 TW

The Netherlands

Tel: +31 (0) 77 476 2368

Fax: +31 (0) 77 476 2424

Email: info@propart-international.com

1.4. Emergency telephone number

Emergency tel: +31 (0) 77 476 2368 (08.30-17.00)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: F+: R12; Xi: R38; N: R51/53; -: R67

Classification under CLP: Flam. Aerosol 1: H222; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; Skin Irrit. 2: H315; STOT SE 3: H336; -: H229

Most important adverse effects: Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

2.2. Label elements

Label elements under CLP:

Hazard statements: H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H304: May be fatal if swallowed and enters airways.

H411: Toxic to aquatic life with long lasting effects.

H315: Causes skin irritation.

H336: May cause drowsiness or dizziness.

Signal words: Danger

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Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Precautionary statements: P501: Dispose of contents/container to an approved waste disposal according to local/regional/national/international regulations.

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P251: Pressurized container: Do not pierce or burn, even after use.

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

P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P331: Do NOT induce vomiting.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P403: Store in a well-ventilated place.

Label elements under CHIP:

Hazard symbols: Extremely flammable.

Irritant.

Dangerous for the environment.



Risk phrases: R12: Extremely flammable.

R38: Irritating to skin.

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

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

Precautionary phrases: 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. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

[cont...]

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

LOW BOILING POINT HYDROGEN TREATED NAPHTHA - NAPHTHA (PETROLEUM), HYDROTREATED LIGHT

EINECS	CAS	CHIP Classification	CLP Classification	Percent
265-151-9	64742-49-0	Xn: R65; F+: R12; Xi: R38; N: R51/53	Asp. Tox. 1: H304; Flam. Liq. 1: H224; Skin Irrit. 2: H315; Aquatic Chronic 2: H411	37.500%

BUTANE

203-448-7	106-97-8	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	17.500%
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PROPANE

200-827-9	74-98-6	F+: R12 Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	17.500%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Call a doctor immediately. Onmiddellijk een dokter waarschuwen. Appelez un docteur immédiatement. Rufen Sie sofort einen Arzt an. Do not induce vomiting.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Eye bathing equipment should be available on the premises.

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Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. Water fog. Dry chemical powder. Carbon dioxide. Alcohol resistant foam. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep away from direct sunlight. The floor of the storage room must be impermeable to prevent the escape of liquids. Prevent the build up of electrostatic charge in the immediate area.

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7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

BUTANE

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1450 mg/m ³	1810 mg/m ³	-	-

PROPANE

UK	1800 mg/m ³	7200 mg/m ³	-	-
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DNEL/PNEC Values

SILICON SPRAY

Type	Exposure	Value	Population	Effect
-	CAS 64742-49-0	-	-	-
DNEL	Oral	699 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	699 mg/kg bw/day	Consumers	Systemic
-	-	773 mg/kg bw/day	Workers	-
DNEL	Inhalation	608 mg/m ³	Consumers	Systemic
-	-	2035 mg/m ³	Workers	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter. Filter AX/P2

Hand protection: Nitrile gloves. De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee. Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product/de stof/de bereiding. Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product/de bereiding/het chemicaliënmengsel afgegeven worden. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Protective clothing.

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Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Aerosol

Colour: According to product specification.

Odour: Characteristic odour

Evaporation rate: Not applicable.

Solubility in water: Not / slightly miscible.

Viscosity: No data available.

Boiling point/range°C: -44

Melting point/range°C: No data available.

Flammability limits %: lower: 0,8

upper: 10,9

Flash point°C: -97

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No autoignition

Vapour pressure: 8300 hPa

Relative density: No data available.

pH: No data available.

VOC g/l: 553,3 g/l - VOC-CH 79.50%

9.2. Other information

Other information: Density: 0,696 g/cm³ (20°C). Ignition temperature: 200°C. Solvent content: organic solvent: 79.5%. Solids level: 20.5%.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

[cont...]

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Relevant effects for mixture:

Effect	Route	Basis
Irritation	DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
CAS 64742-49-0	-	-	-
Pseudokirchneriella subcapitata	72H EL50	30-100	mg/l
Daphnia magna	48H EL50	3	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LL50	11.4	mg/l
Daphnia magna	21D LOEC	0.32	mg/l
Daphnia magna	21D NOEC	0.17	mg/l
Pseudokirchneriella subcapitata	72H NOELR	3	mg/l

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Waterbezwaarlijkheid (NL) 6: Vergiftig voor in het water levende organismen; kan in het aquatisch milieu op lange termijn schadelijke effecten veroorzaken. Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water.

[cont...]

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Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company. Must not be disposed together with household garbage or into the sewage system. Mag niet tezamen met huisvuil gestort worden of in de riolering terecht komen. Darf nicht zusammen mit Hausmüll entsorgt werden oder in die Kanalisation gelangen. Ne doit pas être évacué avec les ordures ménagères à pénétrer dans les canalisations.

Disposal of packaging: Uncleaned packagings: recommendation: Disposal according to official regulations. Niet gereinigde verpakkingen: aanbeveling: Afvalverwijdering volgens overheidsbepalingen. Schmutzige Behälter: empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1950

14.2. UN proper shipping name

Shipping name: AEROSOLS

14.3. Transport hazard class(es)

Transport class: 2

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: Warning: Gases. EMS number:F-D,S-U.

Tunnel code: D

Transport category: 2

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

[cont...]

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Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H220: Extremely flammable gas.
H222: Extremely flammable aerosol.
H224: Extremely flammable liquid and vapour.
H229: Pressurised container: May burst if heated
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.
R12: Extremely flammable.
R38: Irritating to skin.
R51/53: Toxic 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.

Legend to abbreviations: PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin

[cont...]

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DRM = dermal

OCC = ocular/corneal

PCP = phycico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.