



# Silicone Spray

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Version: 1.3

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

#### 1.1. Product identifier

Product form : Mixture  
Article number : 66304  
Product code : 663

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For professional use only  
Function or use category : greases, mineral oils, silicones

##### 1.2.2. Uses advised against

No additional information available

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

BARDAHL NL - OCD NEDERLAND BV  
Maxwellstraat 41  
3316 GP Dordrecht - Nederland  
T 0031 78 651 2322 - F 0031 78 617 4848  
[rjjonker@bardahl.nl](mailto:rjjonker@bardahl.nl) - [www.bardahl.nl](http://www.bardahl.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010  
During office hours: 8.30 t/m 17:00 h

| Country | Official advisory body                                   | Address                                  | Emergency number   | Comment |
|---------|--|--|--|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>+353 1 809 2166<br>(public, 8am - 10pm,<br>7/7) |         |

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

The product has to be labeled due to the calculation procedure of the General Classification guideline for preparations of the EU", DIR."

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

Signal word (CLP) : Danger  
Hazard statements (CLP) : H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand  
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  
P501 - Dispose of contents/container to a facility for the collection of hazardous or special

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Extra phrases : waste  
: Without adequate ventilation formation of explosive mixtures may be possible

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                | Product identifier  | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------|---|----------|---|
| Isobutane           | (CAS No) 75-28-5<br>(EC no) 200-857-2<br>(REACH-no) 01-2119485395-27  | 50 - 100 | Flam. Gas 1, H220<br>Compressed gas, H280                       |
| propane<br>(Note U) | (CAS No) 74-98-6<br>(EC no) 200-827-9<br>(REACH-no) 01-2119486944-21  | 25 - 50  | Flam. Gas 1, H220<br>Compressed gas, H280                       |
| Butane              | (CAS No) 106-97-8<br>(EC no) 203-448-7<br>(REACH-no) 01-2119474691-32 | 2.5 - 10 | Flam. Gas 1, H220<br>Compressed gas, H280                       |

Note U : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Allow breathing of fresh air. Allow the victim to rest. Call a poison center or a doctor if you feel unwell.

First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off immediately all contaminated clothing and wash it before reuse.

First-aid measures after eye contact : Ensure adequate flushing of eyes by separating eyelids with the fingers. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention.

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

Symptoms/injuries : Headache. vapours work intoxicating.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Powder. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : High temperature may liberate toxic gases.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

Protection during firefighting : Self-contained breathing apparatus.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Keep public away from danger area.

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### 6.1.2. For emergency responders

Protective equipment : Wear proper protective equipment.  
Emergency procedures : Ventilate area. Keep away from sources of ignition.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Ventilate area.

### 6.4. Reference to other sections

See Headings 7 and 8. See Heading 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.  
Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Container under pressure. Do not drill or burn even after use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Do not spray on a naked flame or any incandescent material.

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

Storage conditions : Store in dry, cool, well-ventilated area. Government regulations on storing packagings with pressurized containers must be observed.  
Incompatible materials : heat. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| propane (74-98-6) |                 |          |
|-------------------|-----------------|----------|
| EU                | IOELV TWA (ppm) | 1000 ppm |
| Netherlands       | Suffocating     |          |

Additional information : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

### 8.2. Exposure controls

Personal protective equipment : Protective goggles. Gloves.  
Hand protection : Wear suitable gloves resistant to chemical penetration. Refer to manufacturer's information  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : In case of inadequate ventilation wear respiratory protection. High gas/vapour concentration: gas mask with filter type AX



Other information : Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing immediately. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes.

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid  
Appearance : Aerosol.  
Colour : Colourless.  
Odour : Odourless.  
Odour threshold : No data available  
pH : No data available  
Relative evaporation rate (butylacetate=1) : No data available

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|                                  |  |
|----------------------------------|--|
| Melting point                    | : No data available  |
| Freezing point                   | : No data available  |
| Boiling point                    | : No data available  |
| Flash point                      | : No data available  |
| Auto-ignition temperature        | : > 200 °C   |
| Decomposition temperature        | : No data available  |
| Flammability (solid, gas)        | : No data available  |
| Vapour pressure                  | : No data available  |
| Relative vapour density at 20 °C | : No data available  |
| Relative density                 | : No data available  |
| Density                          | : 0.56624 g/cm <sup>3</sup> (20°C)                                       |
| Solubility                       | : Insoluble in water.<br>Organic solvent:93.4%                           |
| Log Pow                          | : No data available  |
| Viscosity, kinematic             | : No data available  |
| Viscosity, dynamic               | : No data available  |
| Explosive properties             | : Product is not explosive. Explosive vapour/air mixtures may be formed. |
| Oxidising properties             | : No data available  |
| Explosive limits                 | : No data available  |

### 9.2. Other information

VOC content : 528.7 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : vapours work intoxicating

#### Isobutane (75-28-5)

|                            |              |
|----------------------------|--------------|
| LC50 inhalation rat (mg/l) | > 50 mg/l/4h |
|----------------------------|--------------|

#### propane (74-98-6)

|                            |            |
|----------------------------|------------|
| LC50 inhalation rat (mg/l) | 20 mg/l/4h |
|----------------------------|------------|

#### Butane (106-97-8)

|                            |             |
|----------------------------|-------------|
| LC50 inhalation rat (mg/l) | 658 mg/l/4h |
|----------------------------|-------------|

|  |  |
|--|--|
| Skin corrosion/irritation                          | : No irritant effect                       |
| Serious eye damage/irritation                      | : No irritant effect                       |
| Respiratory or skin sensitisation                  | : No sensitisation responses were observed |
| Germ cell mutagenicity                             | : Not classified                           |
| Carcinogenicity                                    | : Not classified                           |
| Reproductive toxicity                              | : Not classified                           |
| Specific target organ toxicity (single exposure)   | : Not classified                           |
| Specific target organ toxicity (repeated exposure) | : Not classified                           |

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Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Butane (106-97-8)

LC50 fish 1 : 680 mg/l (96h)

#### 12.2. Persistence and degradability

##### Isobutane (75-28-5)

Persistence and degradability : Readily biodegradable.

##### propane (74-98-6)

Persistence and degradability : Readily biodegradable.

##### Butane (106-97-8)

Persistence and degradability : Readily biodegradable.

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

##### 66304

Ecology - soil : Prevent entry to sewers and public waters.

##### Isobutane (75-28-5)

Ecology - soil : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

##### propane (74-98-6)

Ecology - soil : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

##### Butane (106-97-8)

Ecology - soil : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

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

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Prevent entry to sewers and public waters. Dispose in a safe manner in accordance with local/national regulations.

European List of Waste (LoW) code : 15 01 04 - metallic packaging  
16 05 04\* - gases in pressure containers (including halons) containing dangerous substances

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

UN-No. (ADR) : 1950  
UN-No. (IMDG) : 1950  
UN-No. (IATA) : 1950  
UN-No. (ADN) : 1950  
UN-No. (RID) : Not applicable

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS  
Proper Shipping Name (IMDG) : AEROSOLS  
Proper Shipping Name (IATA) : Aerosols, flammable  
Proper Shipping Name (ADN) : AEROSOLS  
Proper Shipping Name (RID) : Not applicable  
Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)  
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1  
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1

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Transport document description (ADN) : UN 1950 AEROSOLS, 2.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 2.1

Danger labels (ADR) : 2.1



#### IMDG

Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1



#### IATA

Transport hazard class(es) (IATA) : 2.1

Hazard labels (IATA) : 2.1



#### ADN

Transport hazard class(es) (ADN) : 2.1

Danger labels (ADN) : 2.1

:

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207, LP02

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|   |                 |
|---|-----------------|
| Special packing provisions (ADR)  | : PP87, RR6, L2 |
| Mixed packing provisions (ADR)  | : MP9           |
| Transport category (ADR)  | : 2             |
| Special provisions for carriage - Packages (ADR)                        | : V14           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12     |
| Special provisions for carriage - Operation (ADR)                       | : S2            |
| Tunnel restriction code (ADR)   | : D             |

### - Transport by sea

|                                   |                               |
|-----------------------------------|-------------------------------|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 959 |
| Limited quantities (IMDG)         | : SP277                       |
| Excepted quantities (IMDG)        | : E0                          |
| Packing instructions (IMDG)       | : P207, LP02                  |
| Special packing provisions (IMDG) | : PP87, L2                    |
| EmS-No. (Fire)                    | : F-D                         |
| EmS-No. (Spillage)                | : S-U                         |
| Stowage category (IMDG)           | : None                        |

### - Air transport

|  |              |
|--|--------------|
| PCA Excepted quantities (IATA)               | : E0         |
| PCA Limited quantities (IATA)                | : Y203       |
| PCA limited quantity max net quantity (IATA) | : 30kgG      |
| PCA packing instructions (IATA)              | : 203        |
| PCA max net quantity (IATA)                  | : 75kg       |
| CAO packing instructions (IATA)              | : 203        |
| CAO max net quantity (IATA)                  | : 150kg      |
| Special provisions (IATA)                    | : A145, A167 |
| ERG code (IATA)                              | : 10L        |

### - Inland waterway transport

|                                   |                     |
|-----------------------------------|---------------------|
| Classification code (ADN)         | : 5F                |
| Special provisions (ADN)          | : 19, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L               |
| Excepted quantities (ADN)         | : E0                |
| Equipment required (ADN)          | : PP, EX, A         |
| Ventilation (ADN)                 | : VE01, VE04        |
| Number of blue cones/lights (ADN) | : 1                 |

### - Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

|   |       |
|---|-------|
| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008  | 66304 |
| 3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F | 66304 |

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|   |       |
|---|-------|
| 28. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Carcinogen category 1A or 1B (Table 3.1) or Carcinogen category 1 or 2 (Table 3.2) and listed as follows: Carcinogen category 1A (Table 3.1)/Carcinogen category 1 (Table 3.2) listed in Appendix 1 Carcinogen category 1B (Table 3.1)/Carcinogen category 2 (Table 3.2) listed in Appendix 2   | 66304 |
| 29. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Germ cell Mutagen category 1A or 1B (Table 3.1) or Mutagen category 1 or 2 (Table 3.2) and listed as follows: Mutagen category 1A (Table 3.1)/Mutagen category 1 (Table 3.2) listed in Appendix 3 Mutagen category 1B (Table 3.1)/Mutagen category 2 (Table 3.2) listed in Appendix 4   | 66304 |
| 30. Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as Toxic to Reproduction category 1A or 1B (Table 3.1) or Toxic to Reproduction category 1 or 2 (Table 3.2) and listed as follows: Reproductive toxicant category 1A adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 1 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 5 Reproductive toxicant category 1B adverse effects on sexual function and fertility or on development (Table 3.1) or Reproductive toxicant category 2 with R60 (May impair fertility) or R61 (May cause harm to the unborn child) (Table 3.2) listed in Appendix 6 | 66304 |
| 40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.  | 66304 |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 528.7 g/l

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No

## SECTION 16: Other information

Indication of changes:

|      |                                |          |  |
|------|--------------------------------|----------|--|
| 1.2  | Function or use category       | Modified |  |
| 2.2  | Precautionary statements (CLP) | Modified |  |
| 15.2 | Chemical safety assessment     | Modified |  |

Full text of H- and EUH-statements:

|                |  |
|----------------|--|
| Compressed gas | Gases under pressure : Compressed gas              |
| Flam. Gas 1    | Flammable gases, Category 1                        |
| H220           | Extremely flammable gas                            |
| H222           | Extremely flammable aerosol                        |
| H229           | Pressurised container: May burst if heated         |
| H280           | Contains gas under pressure; may explode if heated |

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*