

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

## DEBLOC-FOOD

Version number: 1.1

Date of compilation: 31.10.2024

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

#### 1.1 Product identifier

|                                 |                        |
|---------------------------------|------------------------|
| Trade name                      | <b>DEBLOC-FOOD</b>     |
| Registration number (REACH)     | not relevant (mixture) |
| Unique formula identifier (UFI) | 1E20-90V5-Q00J-C7J8    |
| Article number                  | E100300                |

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

|                          |                               |
|--------------------------|-------------------------------|
| Relevant identified uses | Lubricant<br>Professional use |
|--------------------------|-------------------------------|

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

Multitask Industries  
Karnemelkstraat 12  
9060 Zelzate  
Belgium

Telephone: +32 (0)9 282 43 61  
Telefax: +32 (0)9 337 04 96  
e-mail: [info@multitaskindustries.be](mailto:info@multitaskindustries.be)  
Website: [www.multitaskindustries.be](http://www.multitaskindustries.be)

e-mail (competent person)

[info@multitaskindustries.be](mailto:info@multitaskindustries.be)

#### 1.4 Emergency telephone number

Emergency information service

This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

| Poison centre |   |   |
|---------------|---|---|
| Country       | Name  | Telephone   |
| Belgium       | Antigifcentrum / Centre Antipoisons / Gift-Notruf | 070 245 245 (24/7 bereikbaar / accessible / erreichbar) |

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class      | Category | Hazard class and category | Hazard statement |
|---------|-------------------|----------|---------------------------|------------------|
| 2.3     | aerosols          | 1        | Aerosol 1                 | H222,H229        |
| 3.10    | aspiration hazard | 1        | Asp. Tox. 1               | H304             |

For full text of H-phrases: see SECTION 16

| Code   | Supplemental hazard information                      |
|--------|--|
| EUH066 | repeated exposure may cause skin dryness or cracking |

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- signal word      Danger

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### - pictograms

GHS02



### - hazard statements

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

### - precautionary statements

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.

### - supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.

### - hazardous ingredients for labelling

Contains: Hydrocarbons, C11-C13, isoalkanes, <2% aromatics; White mineral oil (petroleum).

### Additional labelling according to Directive 75/324/EEC relating to aerosol dispensers

Extremely flammable. Pressurized container: may burst if heated. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

| Name of substance                                   | Identifier   | Wt%     | Classification acc. to GHS                 | Notes               |
|---|--|---------|--|---------------------|
| Butane  | CAS No<br>106-97-8<br><br>EC No<br>203-448-7<br><br>Index No<br>601-004-00-0<br><br>REACH Reg. No<br>01-2119474691-32-<br>xxxx | 25 – 50 | Flam. Gas 1A / H220<br>Press. Gas C / H280 | C<br>GHS-HC<br>U(b) |
| Hydrocarbons, C11-C13,<br>isoalkanes, <2% aromatics | CAS No<br>246538-78-3<br><br>EC No<br>920-901-0<br><br>REACH Reg. No   | 25 – 50 | Asp. Tox. 1 / H304<br>EUH066               |                     |

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| Name of substance             | Identifier  | Wt%     | Classification acc. to GHS                 | Notes               |
|-------------------------------|---|---------|--|---------------------|
|                               | 01-2119456810-40-xxxx   |         |  |                     |
| Isobutane                     | CAS No<br>75-28-5<br><br>EC No<br>200-857-2<br><br>Index No<br>601-004-00-0<br><br>REACH Reg. No<br>01-2119485395-27-xxxx | 10 – 25 | Flam. Gas 1A / H220<br>Press. Gas C / H280 | C<br>GHS-HC<br>U(b) |
| Propane                       | CAS No<br>74-98-6<br><br>EC No<br>200-827-9<br><br>Index No<br>601-003-00-5<br><br>REACH Reg. No<br>01-2119486944-21-xxxx | 10 – 25 | Flam. Gas 1A / H220<br>Press. Gas C / H280 | GHS-HC<br>U(b)      |
| White mineral oil (petroleum) | CAS No<br>8042-47-5<br><br>EC No<br>232-455-8<br><br>REACH Reg. No<br>01-2119487078-27-xxxx                               | 10 – 25 | Asp. Tox. 1 / H304                         | IOELV               |

### Notes

C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

IOELV: Substance with a community indicative occupational exposure limit value

U(b): The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged

| Name of substance             | Identifier                                    | Specific Conc. Limits | M-Factors | ATE        | Exposure route           |
|-------------------------------|---|-----------------------|-----------|------------|--------------------------|
| White mineral oil (petroleum) | CAS No<br>8042-47-5<br><br>EC No<br>232-455-8 | -                     | -         | >5 mg/l/4h | inhalation:<br>dust/mist |

### Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General notes**

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Take off immediately all contaminated clothing. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

**Following inhalation**

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

**Following skin contact**

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

**Following eye contact**

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Following ingestion**

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. In case of vomiting keep the head low so that stomach contents cannot enter the lungs. Call a POISON CENTER or doctor if you feel unwell.

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

Repeated exposure may cause skin dryness or cracking.  
Pulmonary edema.

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

For specialist advice physicians should contact the poison centre.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Water mist; Foam; Dry extinguishing powder; Carbon dioxide (CO<sub>2</sub>);  
Co-ordinate firefighting measures to the fire surroundings.

**Unsuitable extinguishing media**

Water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

**Special protective equipment for firefighters**

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Remove persons to safety. Ventilate affected area. Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

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**6.2 Environmental precautions**

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

**6.3 Methods and material for containment and cleaning up**

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Take up mechanically. Sand. Universal binder. Soil.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

**6.4 Reference to other sections**

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Keep away from sources of ignition - No smoking. Use only in well-ventilated areas.

Ground/bond container and receiving equipment. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

**7.2 Conditions for safe storage, including any incompatibilities**

Managing of associated risks

- flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Protect from sunlight.

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

**7.3 Specific end use(s)**

See section 1.2.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### National limit values

| Occupational exposure limit values (Workplace Exposure Limits) |   |           |            |           |                          |            |                           |            |                |
|--|---|-----------|------------|-----------|--------------------------|------------|---------------------------|------------|----------------|
| Country  | Name of agent   | CAS No    | Identifier | TWA [ppm] | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Notation   | Source         |
| BE   | n-butane  | 106-97-8  | VLEP/G WBB |           |                          | 980        | 2.370                     |            | Moniteur Belge |
| BE   | n-propane   | 74-98-6   | VLEP/G WBB | 1.000     |                          |            |                           |            | Moniteur Belge |
| BE   | isobutane   | 75-28-5   | VLEP/G WBB |           |                          | 980        | 2.370                     |            | Moniteur Belge |
| BE   | Mineral oils that were previously used in internal combustion engines to lubricate and cool moving engine parts                 | 8042-47-5 | VLEP/G WBB |           |                          |            |                           | Be-C, Be-D | Moniteur Belge |
| EU   | mineral oils that have been used before in internal combustion engines to lubricate and cool the moving parts within the engine | 8042-47-5 | IOELV      |           |                          |            |                           | H          | 2019/130/EU    |

##### Notation

|      |   |
|------|---|
| Be-C | The agent in question falls within the scope of the Royal Decree of 2 December 1993 concerning the protection of workers against the risks related to exposure to carcinogens and mutagens at work. |
| Be-D | The agent through the skin, mucous membranes or eyes is an important part of the total exposure. This resorption can occur both by direct contact and by the presence of the agent in the air.      |
| H    | absorbed through the skin   |
| STEL | short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)  |
| TWA  | time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)                            |

##### Relevant DNELs/DMELs/PNECs and other threshold levels

| Relevant DNELs of components of the mixture |           |           |                         |                                    |                               |                            |
|---|-----------|-----------|-------------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance                           | CAS No    | End-point | Threshold level         | Protection goal, route of exposure | Used in                       | Exposure time              |
| White mineral oil (petroleum)               | 8042-47-5 | DNEL      | 164,6 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry)             | chronic - systemic effects |
| White mineral oil (petroleum)               | 8042-47-5 | DNEL      | 217,1 mg/kg bw/day      | human, dermal                      | worker (industry)             | chronic - systemic effects |
| White mineral oil (petroleum)               | 8042-47-5 | DNEL      | 34,78 mg/m <sup>3</sup> | human, inhalatory                  | consumer (private households) | chronic - systemic effects |
| White mineral oil (petroleum)               | 8042-47-5 | DNEL      | 93,02 mg/kg bw/day      | human, dermal                      | consumer (private households) | chronic - systemic effects |
| White mineral oil (petroleum)               | 8042-47-5 | DNEL      | 25 mg/kg bw/day         | human, oral                        | consumer (private households) | chronic - systemic effects |

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### 8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection (EN 166).

Skin protection



Protective clothing (EN 340 & EN ISO 13688).

Hand protection



Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. 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.

- type of material

Nitrile rubber

- material thickness

Use gloves with a minimum material thickness:  $\geq 0,38$  mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

During spraying wear suitable respiratory equipment. In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: A (against organic gases and vapours with a boiling point of  $> 65$  °C, colour code: Brown).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| Physical state   | liquid, gaseous (spray aerosol)  |
| Colour   | colourless   |
| Odour  | characteristic   |
| Melting point/freezing point                             | -187,6 °C at 1.013 hPa calculated value, referring to a component of the mixture       |
| Boiling point or initial boiling point and boiling range | -161,5 °C at 1.013 hPa calculated value, referring to a component of the mixture       |
| Flammability   | flammable aerosol in accordance with GHS criteria                                      |
| Lower and upper explosion limit                          | LEL: 0,6 vol% / UEL: 15 vol% calculated value, referring to a component of the mixture |
| Flash point  | 65 °C closed cup   |

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|                           |   |
|---------------------------|---|
| Auto-ignition temperature | >200 °C (auto-ignition temperature (liquids and gases)) |
| Decomposition temperature | no data available                                       |
| pH (value)                | not determined  |
| Kinematic viscosity       | <20,5 mm <sup>2</sup> /s at 40 °C                       |

### Solubility

|                  |           |
|------------------|-----------|
| Water solubility | insoluble |
|------------------|-----------|

|   |                                   |
|---|-----------------------------------|
| Partition coefficient n-octanol/water (log value) | this information is not available |
|---|-----------------------------------|

|                 |  |
|-----------------|--|
| Vapour pressure | 0,04 kPa at 20 °C<br>calculated value, referring to a component of the mixture |
|-----------------|--|

### Density and/or relative density

|                         |   |
|-------------------------|---|
| Density                 | 0,8 g/cm <sup>3</sup> at 20 °C                |
| Relative vapour density | information on this property is not available |

|                          |                        |
|--------------------------|------------------------|
| Particle characteristics | not relevant (aerosol) |
|--------------------------|------------------------|

## 9.2 Other information

Information with regard to physical hazard classes

### Aerosols

|                              |                                    |
|------------------------------|------------------------------------|
| - components (flammable)     | 50 – 75 %                          |
| Other safety characteristics | there is no additional information |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The mixture contains reactive substance(s). Risk of ignition.

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

Hints to prevent fire or explosion

Protect from sunlight.

### 10.5 Incompatible materials

Oxidisers.



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### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification according to GHS (1272/2008/EC, CLP)

##### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |           |                       |            |
|---|-----------|-----------------------|------------|
| Name of substance                           | CAS No    | Exposure route        | ATE        |
| White mineral oil (petroleum)               | 8042-47-5 | inhalation: dust/mist | >5 mg/l/4h |

| Acute toxicity of components                     |             |                       |          |                              |         |
|--|-------------|-----------------------|----------|------------------------------|---------|
| Name of substance                                | CAS No      | Exposure route        | Endpoint | Value                        | Species |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 246538-78-3 | oral                  | LD50     | >5.000 mg/kg                 | rat     |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 246538-78-3 | inhalation: vapour    | LC50     | >4.951 mg/m <sup>3</sup> /4h | rat     |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 246538-78-3 | dermal                | LD50     | >2.200 – 2.500 mg/kg         | rabbit  |
| White mineral oil (petroleum)                    | 8042-47-5   | oral                  | LD50     | >5.000 mg/kg                 | rat     |
| White mineral oil (petroleum)                    | 8042-47-5   | inhalation: dust/mist | LC50     | >5 mg/l/4h                   | rat     |
| White mineral oil (petroleum)                    | 8042-47-5   | dermal                | LD50     | >2.000 mg/kg                 | rabbit  |

##### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

##### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

##### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

##### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

##### Carcinogenicity

Shall not be classified as carcinogenic.

##### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

##### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

##### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

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Aspiration hazard

May be fatal if swallowed and enters airways.

### 11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

Other information

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture |             |          |              |                       |               |
|---|-------------|----------|--------------|-----------------------|---------------|
| Name of substance                                     | CAS No      | Endpoint | Value        | Species               | Exposure time |
| Butane  | 106-97-8    | LC50     | 49,9 mg/l    | fish                  | 96 h          |
| Butane  | 106-97-8    | EC50     | 19,37 mg/l   | algae                 | 96 h          |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics      | 246538-78-3 | LL50     | >1.000 mg/l  | fish                  | 24 h          |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics      | 246538-78-3 | EL50     | >1.000 mg/l  | aquatic invertebrates | 24 h          |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics      | 246538-78-3 | NOELR    | 1.000 mg/l   | aquatic invertebrates | 96 h          |
| White mineral oil (petroleum)                         | 8042-47-5   | LL50     | >10.000 mg/l | fish                  | 96 h          |
| Propane   | 74-98-6     | LC50     | 49,9 mg/l    | fish                  | 96 h          |
| Propane   | 74-98-6     | EC50     | 19,37 mg/l   | algae                 | 96 h          |
| Isobutane   | 75-28-5     | LC50     | 49,9 mg/l    | fish                  | 96 h          |
| Isobutane   | 75-28-5     | EC50     | 19,37 mg/l   | algae                 | 96 h          |

| Aquatic toxicity (chronic) of components of the mixture |             |          |              |                |               |
|---|-------------|----------|--------------|----------------|---------------|
| Name of substance                                       | CAS No      | Endpoint | Value        | Species        | Exposure time |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics        | 246538-78-3 | NOELR    | 0,217 mg/l   | fish           | 28 d          |
| White mineral oil (petroleum)                           | 8042-47-5   | LOEL     | <2.000 mg/kg | microorganisms | 93 d          |

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0,1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of  $\geq 0,1\%$ .

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**12.7 Other adverse effects**

Data are not available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

**Remarks**

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR/RID/ADN UN 1950

IMDG-Code UN 1950

ICAO-TI UN 1950

**14.2 UN proper shipping name**

ADR/RID/ADN AEROSOLS flammable

IMDG-Code AEROSOLS

ICAO-TI Aerosols, flammable

**14.3 Transport hazard class(es)**

ADR/RID/ADN 2 (2.1)

IMDG-Code 2.1

ICAO-TI 2.1

**14.4 Packing group**

not assigned

**14.5 Environmental hazards**

non-environmentally hazardous acc. to the dangerous goods regulations

**14.6 Special precautions for user**

Provisions for dangerous goods (ADR) should be complied within the premises.

**14.7 Maritime transport in bulk according to IMO instruments**

No data available.

**Additional information for each of the UN Model Regulations****Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information**

Classification code 5F

Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625

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|                               |     |
|-------------------------------|-----|
| Excepted quantities (EQ)      | E0  |
| Limited quantities (LQ)       | 1 L |
| Transport category (TC)       | 2   |
| Tunnel restriction code (TRC) | D   |

### International Maritime Dangerous Goods Code (IMDG) - additional information

|                  |     |
|------------------|-----|
| Marine pollutant | -   |
| Danger label(s)  | 2.1 |



|                          |                                  |
|--------------------------|----------------------------------|
| Special provisions (SP)  | 63, 190, 277, 327, 344, 381, 959 |
| Excepted quantities (EQ) | E0                               |
| Limited quantities (LQ)  | 1 L                              |
| EmS                      | F-D, S-U                         |
| Stowage category         | -                                |

### International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

|                 |     |
|-----------------|-----|
| Danger label(s) | 2.1 |
|-----------------|-----|



|                          |            |
|--------------------------|------------|
| Special provisions (SP)  | A145, A167 |
| Excepted quantities (EQ) | E0         |
| Limited quantities (LQ)  | 30 kg      |

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

#### Restrictions according to REACH, Annex XVII

| Name   | Name acc. to inventory   | Restriction | No |
|--|--|-------------|----|
| Butane   | flammable / pyrophoric   | R40         | 40 |
| Isobutane  | flammable / pyrophoric   | R40         | 40 |
| Propane  | flammable / pyrophoric   | R40         | 40 |
| White mineral oil (petroleum)                    | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | R3          | 3  |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC | R3          | 3  |

#### Legend

- R3
- Shall not be used in:
    - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ash-trays,
    - tricks and jokes,
    - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
  - Articles not complying with paragraph 1 shall not be placed on the market.
  - Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:

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### Legend

- can be used as fuel in decorative oil lamps for supply to the general public, and  
— present an aspiration hazard and are labelled with H304.
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
- (a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
- (b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter fluid may lead to life threatening lung damage";
- (c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.;
- R40 1. Shall not be used, as substance or as mixtures or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
- metallic glitter intended mainly for decoration,
  - artificial snow and frost,
  - 'whoopie' cushions,
  - silly string aerosols,
  - imitation excrement,
  - horns for parties,
  - decorative flakes and foams,
  - artificial cobwebs,
  - stink bombs.
2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:  
'For professional users only'.
3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.

### List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

### Seveso Directive

| 2012/18/EU (Seveso III) |   |   |       |
|-------------------------|---|---|-------|
| No                      | Dangerous substance/hazard categories                           | Qualifying quantity (tonnes) for the application of lower and upper-tier requirements | Notes |
| P3a                     | flammable aerosols (containing Flam. Gas or Flam. Liq., cat. 1) | 150 500   | 46)   |

### Notation

- 46) 'flammable' aerosols category 1 or 2, containing flammable gases category 1 or 2 or flammable liquids category 1  
Note: qualifying quantity = net

### Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

### Water Framework Directive (WFD)

None of the ingredients are listed.

### Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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### SECTION 16: Other information

#### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value)                  |
|---------|---------------------------|--|
| 3.2     |                           | Mixtures:<br>change in the listing (table) |

#### Abbreviations and acronyms

| Abbr.       | Descriptions of used abbreviations  |
|-------------|---|
| 2019/130/EU | Directive of the European Parliament and of the Council amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work                              |
| ADN         | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR         | Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)   |
| ADR/RID/ADN | Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)   |
| Asp. Tox.   | Aspiration hazard   |
| ATE         | Acute Toxicity Estimate   |
| CAS         | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)  |
| CLP         | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  |
| DGR         | Dangerous Goods Regulations (see IATA/DGR)  |
| DMEL        | Derived Minimal Effect Level  |
| DNEL        | Derived No-Effect Level   |
| EC50        | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval                                      |
| EC No       | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)                                     |
| ED          | Endocrine disruptor   |
| EINECS      | European Inventory of Existing Commercial Chemical Substances   |
| EL50        | Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms  |
| ELINCS      | European List of Notified Chemical Substances   |
| EmS         | Emergency Schedule  |
| Flam. Gas   | Flammable gas   |
| GHS         | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations   |
| IATA        | International Air Transport Association   |
| IATA/DGR    | Dangerous Goods Regulations (DGR) for the air transport (IATA)  |
| ICAO        | International Civil Aviation Organization   |
| ICAO-TI     | Technical instructions for the safe transport of dangerous goods by air   |
| IMDG        | International Maritime Dangerous Goods Code   |
| IMDG-Code   | International Maritime Dangerous Goods Code   |
| index No    | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008  |
| IOELV       | Indicative occupational exposure limit value  |

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| Abbr.          | Descriptions of used abbreviations   |
|----------------|--|
| LC50           | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval  |
| LD50           | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval   |
| LEL            | Lower explosion limit (LEL)  |
| LL50           | Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality   |
| LOEL           | Lowest Observed Effect Level   |
| Moniteur Belge | Arrêté royal modifiant l'arrêté royal du 11 mars 2002 relatif à la protection de la santé et de la sécurité des travailleurs contre les risques liés à des agents chimiques sur le lieu de travail |
| NLP            | No-Longer Polymer  |
| NOELR          | No Observed Effect Loading Rate  |
| PBT            | Persistent, Bioaccumulative and Toxic  |
| PNEC           | Predicted No-Effect Concentration  |
| ppm            | Parts per million  |
| Press. Gas     | Gas under pressure   |
| REACH          | Registration, Evaluation, Authorisation and Restriction of Chemicals   |
| RID            | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)                            |
| STEL           | Short-term exposure limit  |
| SVHC           | Substance of Very High Concern   |
| TWA            | Time-weighted average  |
| UEL            | Upper explosion limit (UEL)  |
| vPvB           | Very Persistent and very Bioaccumulative   |

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text  |
|------|---|
| H220 | Extremely flammable gas.                            |
| H222 | Extremely flammable aerosol.                        |
| H229 | Pressurised container: May burst if heated.         |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways.       |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.