

## SAFETY DATA SHEET

# BIZOL Copper+ L54

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

*Trade name:* BIZOL Copper+ L54

*Product no.:* 80006

*Unique formula identifier (UFI):* KVJ4-37WK-S004-V6R2

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

*Relevant identified uses of the substance or mixture:* Lubricant

*Use descriptors (UK REACH):*

| Product category | Description    |
|------------------|----------------|
| PC 0             | Other products |

*Uses advised against :* None known.

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

*Company and address:* **EUROLUB GmbH**  
Freisingerstraße 25-27  
85386 Eching  
Germany  
Tel.: +49 8165 9591-0  
www.eurolub.com

*Contact person:* Laboratory

*E-mail:* info@eurolub.com

*Revision:* 24/10/2024

*SDS Version:* 1.0

*Date of previous version:* 02/10/2024 (1.0)

#### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:

England - Dial 111 to reach NHS 111 (24 hour service)

Scotland - Dial 112 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)

See section 4 "First aid measures".

## SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

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

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2; H315, Causes skin irritation.

STOT SE 3; H336, May cause drowsiness or dizziness.

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

*Hazard pictogram(s):*



*Signal word:*

Danger

*Hazard statement(s):*

Extremely flammable aerosol. Pressurised container: May burst if heated. (H222, H229)

Causes skin irritation. (H315)

May cause drowsiness or dizziness. (H336)

Harmful to aquatic life with long lasting effects. (H412)

*Precautionary statement(s):*

*General:*

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

Keep out of reach of children. (P102)

*Prevention:*

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

|                              |                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------|
|                              | ignition sources. No smoking. (P210)                                                    |
|                              | Do not pierce or burn, even after use. (P251)                                           |
|                              | Avoid release to the environment. (P273)                                                |
| <i>Response:</i>             | Call a POISON CENTER/doctor if you feel unwell. (P312)                                  |
| <i>Storage:</i>              | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412) |
| <i>Disposal:</i>             | Dispose of contents/container in accordance with local regulations (P501)               |
| <i>Hazardous substances:</i> | Naphtha (petroleum), hydrotreated light                                                 |
| <i>Additional labelling:</i> | UFI: KVJ4-37WK-S004-V6R2                                                                |

### 2.3. Other hazards

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Additional warnings:</i> | <p>In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive.</p> <p>This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.</p> <p>This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.</p> |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable. This product is a mixture.

### 3.2. Mixtures

| Product/substance    | Identifiers                                                                   | % w/w  | Classification     | Note |
|----------------------|-------------------------------------------------------------------------------|--------|--------------------|------|
| butane;and isobutane | CAS No.: 75-28-5<br>EC No.: 200-857-2<br>UK-REACH:<br>Index No.: 601-004-00-0 | 25-40% | Flam. Gas 1A, H220 |      |
| butane               | CAS No.: 106-97-8                                                             | 15-25% | Flam. Gas 1A, H220 |      |

|                                            |                                                                                  |        |                                                                                                                                                                 |      |
|--------------------------------------------|----------------------------------------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
|                                            | EC No.: 203-448-7<br>UK-REACH:<br>Index No.: 601-004-01-8                        |        |                                                                                                                                                                 |      |
| Naphtha (petroleum),<br>hydrotreated light | CAS No.: 64742-49-0<br>EC No.: 265-151-9<br>UK-REACH:<br>Index No.: 649-328-00-1 | 15-25% | Flam. Liq. 1, H224<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411                                                    | [19] |
| propane                                    | CAS No.: 74-98-6<br>EC No.: 200-827-9<br>UK-REACH:<br>Index No.: 601-003-00-5    | 15-25% | Flam. Gas 1A, H220                                                                                                                                              |      |
| Copper                                     | CAS No.: 7440-50-8<br>EC No.: 231-159-6<br>UK-REACH:<br>Index No.:               | 1-3%   | Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 2, H411                                                                                                          |      |
| n-hexane                                   | CAS No.: 110-54-3<br>EC No.: 203-777-6<br>UK-REACH:<br>Index No.: 601-037-00-0   | <1%    | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Repr. 2, H361f<br>STOT RE 2, H373 (SCL: 5.00 %)<br>Aquatic Chronic 2, H411 | [1]  |

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

[1] European occupational exposure limit.

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

*General information:* In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.  
Contact a doctor if in doubt about the injured person's condition or if

the symptoms persist. Never give an unconscious person water or other drink.

*Inhalation:* Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

*Skin contact:* IF ON SKIN: Wash with plenty of water and soap. Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

*Eye contact:* If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

*Ingestion:* If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

*Burns:* Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

Treat symptomatically.

#### **Information to medics**

Bring this safety data sheet or the label from this product.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Extremely flammable aerosol. Pressurised container. In a fire or if heated, a pressure increase will occur and the container may burst.

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Accidental releases always pose a serious risk of fire or explosion.

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings,

contact local environmental authorities.

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

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

Do not pierce or burn, even after use.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

|                                      |                                                                            |
|--------------------------------------|----------------------------------------------------------------------------|
| <i>Recommended storage material:</i> | Always store in containers of the same material as the original container. |
|--------------------------------------|----------------------------------------------------------------------------|

|                            |                               |
|----------------------------|-------------------------------|
| <i>Storage conditions:</i> | Dry, cool and well ventilated |
|----------------------------|-------------------------------|

|                                |                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------|
| <i>Incompatible materials:</i> | Strong acids, strong bases, strong oxidizing agents, and strong reducing agents. |
|--------------------------------|----------------------------------------------------------------------------------|

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

n-hexane

Long term exposure limit (8 hours) (ppm): 20

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 72

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

### DNEL

n-hexane

| Duration:                                         | Route of exposure: | DNEL:                |
|---------------------------------------------------|--------------------|----------------------|
| Long term – Systemic effects - General population | Dermal             | 5.3 mg/kg bw/day     |
| Long term – Systemic effects - Workers            | Dermal             | 11 mg/kg bw/day      |
| Long term – Systemic effects - General population | Inhalation         | 16 mg/m <sup>3</sup> |
| Long term – Systemic effects - Workers            | Inhalation         | 75 mg/m <sup>3</sup> |
| Long term – Systemic effects - General population | Oral               | 4 mg/kg bw/day       |

Naphtha (petroleum), hydrotreated light

| Duration:                                         | Route of exposure: | DNEL:              |
|---------------------------------------------------|--------------------|--------------------|
| Long term – Systemic effects - General population | Dermal             | 149 mg/kg bw/day   |
| Long term – Systemic effects - General population | Dermal             | 1377 mg/kg bw/day  |
| Long term – Systemic effects - Workers            | Dermal             | 300 mg/kg bw/day   |
| Long term – Systemic effects - Workers            | Dermal             | 13964 mg/kg bw/day |

|                                                    |            |                           |
|----------------------------------------------------|------------|---------------------------|
| Long term – Local effects - General population     | Inhalation | 178.57 mg/m <sup>3</sup>  |
| Long term – Local effects - Workers                | Inhalation | 837.5 mg/m <sup>3</sup>   |
| Long term – Systemic effects - General population  | Inhalation | 410 µg/m <sup>3</sup>     |
| Long term – Systemic effects - General population  | Inhalation | 447 mg/m <sup>3</sup>     |
| Long term – Systemic effects - General population  | Inhalation | 1131 mg/m <sup>3</sup>    |
| Long term – Systemic effects - Workers             | Inhalation | 1.9 mg/m <sup>3</sup>     |
| Long term – Systemic effects - Workers             | Inhalation | 2085 mg/m <sup>3</sup>    |
| Long term – Systemic effects - Workers             | Inhalation | 5306 mg/m <sup>3</sup>    |
| Short term – Local effects - General population    | Inhalation | 640 mg/m <sup>3</sup>     |
| Short term – Local effects - Workers               | Inhalation | 1066.67 mg/m <sup>3</sup> |
| Short term – Systemic effects - General population | Inhalation | 1152 mg/m <sup>3</sup>    |
| Short term – Systemic effects - Workers            | Inhalation | 1286.4 mg/m <sup>3</sup>  |
| Long term – Systemic effects - General population  | Oral       | 149 mg/kg<br>bw/day       |
| Long term – Systemic effects - General population  | Oral       | 1301 mg/kg<br>bw/day      |

## PNEC

No data available.

## 8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

*General recommendations:* Smoking, drinking and consumption of food is not allowed in the work area.

*Exposure scenarios:* There are no exposure scenarios implemented for this product.

▼ *Exposure limits:* Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

*Appropriate technical measures:* Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

*Hygiene measures:* Take off contaminated clothing and wash it before reuse.

*Measures to avoid* Provide adequate general and local exhaust ventilation.

*environmental exposure:*

### Individual protection measures, such as personal protective equipment

*Generally:* Use only UKCA marked protective equipment.

*Respiratory Equipment:*

| Type                                                                       | Class | Colour | Standards |  |
|----------------------------------------------------------------------------|-------|--------|-----------|--|
| Respiratory protection is not needed in the event of adequate ventilation. |       |        |           |  |

*Skin protection:*

| Recommended                             | Type/Category | Standards |                                                                                       |
|-----------------------------------------|---------------|-----------|---------------------------------------------------------------------------------------|
| Dedicated work clothing should be worn. | -             | -         |  |

*Hand protection:*

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards               |                                                                                       |
|----------|----------------------|--------------------------|-------------------------|---------------------------------------------------------------------------------------|
| Nitrile  | 0.4                  | > 480                    | EN374-2, EN374-3, EN388 |  |

*Eye protection:*

| Type                                                                     | Standards |                                                                                       |
|--------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------|
| In the likelihood of direct or incidental exposure, use face protection. | EN166     |  |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| <i>Physical state:</i>             | Aerosol                                                         |
| <i>Colour:</i>                     | Brown                                                           |
| <i>Odour / Odour threshold:</i>    | Aromatic                                                        |
| <i>pH:</i>                         | No relevant or available data due to the nature of the product. |
| <i>Density (g/cm<sup>3</sup>):</i> | 0.9252                                                          |
| <i>Kinematic viscosity:</i>        | No relevant or available data due to the nature of the product. |
| <i>Particle characteristics:</i>   | No relevant or available data due to the nature of the product. |

### Phase changes

|                                           |                                                                 |
|-------------------------------------------|-----------------------------------------------------------------|
| <i>Melting point/Freezing point (°C):</i> | No relevant or available data due to the nature of the product. |
| <i>Softening point/range (°C):</i>        | Does not apply to aerosols.                                     |
| <i>Boiling point (°C):</i>                | No relevant or available data due to the nature of the product. |
| <i>Vapour pressure:</i>                   | No relevant or available data due to the nature of the product. |
| <i>Relative vapour density:</i>           | No relevant or available data due to the nature of the product. |
| <i>Decomposition temperature (°C):</i>    | No relevant or available data due to the nature of the product. |

### Data on fire and explosion hazards

|                                                 |                                                                 |
|-------------------------------------------------|-----------------------------------------------------------------|
| <i>Flash point (°C):</i>                        | Does not apply to aerosols.                                     |
| <i>Flammability (°C):</i>                       | The material is ignitable.                                      |
| <i>Auto-ignition temperature (°C):</i>          | No relevant or available data due to the nature of the product. |
| <i>Lower and upper explosion limit (% v/v):</i> | 1.5 - 10.9                                                      |

### Solubility

|                                              |                                                                 |
|----------------------------------------------|-----------------------------------------------------------------|
| <i>Solubility in water:</i>                  | No relevant or available data due to the nature of the product. |
| <i>n-octanol/water coefficient (LogKow):</i> | No relevant or available data due to the nature of the product. |

*Solubility in fat (g/L):* No relevant or available data due to the nature of the product.

## 9.2. Other information

*VOC (g/l):* 925

*Oxidizing properties:* No relevant or available data due to the nature of the product.

*Other physical and chemical parameters:* No data available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.  
Extremes of temperature

### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Causes skin irritation.

#### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitisation**

Based on available data, the classification criteria are not met.

#### **Skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

#### **Carcinogenicity**

Based on available data, the classification criteria are not met.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

#### **STOT-single exposure**

May cause drowsiness or dizziness.

#### **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

### **11.2. Information on other hazards**

#### **Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

#### **Endocrine disrupting properties**

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### **Other information**

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Based on available data, the classification criteria are not met.

### 12.3. Bioaccumulative potential

Based on available data, the classification criteria are not met.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product is covered by the regulations on hazardous waste. (\*)

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

## EWC code

- 16 05 04\* Gases in pressure containers (including halons) containing dangerous substances
- 15 01 11\* Metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers

## Specific labelling

## Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

## SECTION 14: TRANSPORT INFORMATION

|      | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)                                                                                                                                  | 14.4<br>PG* | 14.5<br>Env** | Other<br>informat<br>ion:                                                                        |
|------|-----------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|--------------------------------------------------------------------------------------------------|
| ADR  | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br> | -           | No            | Limited quantities: 1 L<br>Tunnel restriction code: (D)<br>See below for additional information. |
| IMDG | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F<br> | -           | No            | Limited quantities: 1 L<br>EmS: F-D<br>S-U<br>See below for additional information.              |
| IATA | UN1950          | AEROSOLS                        | Transport hazard class: 2<br>Label: 2.1<br>Classification code: 5F                                                                                        | -           | No            | See below for additional information                                                             |

|  | 14.1<br>UN / ID | 14.2<br>UN proper shipping name | 14.3<br>Hazard class(es)                                                          | 14.4<br>PG* | 14.5<br>Env** | Other<br>informat<br>ion: |
|--|-----------------|---------------------------------|-----------------------------------------------------------------------------------|-------------|---------------|---------------------------|
|  |                 |                                 |  |             |               | on.                       |

\* Packing group

\*\* Environmental hazards

#### Additional information

This product is within scope of the regulations of transport of dangerous goods.

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

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ADR / See Table A, section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

Hazchem Code: None

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: REGULATORY INFORMATION

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

*Restrictions for application:* People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                       | the workplace needed to eliminate exposure, must be considered.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Demands for specific education:</i>                                                | No specific requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Control of Major Accident Hazards (COMAH) - Categories / dangerous substances:</i> | P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>UK-REACH, Annex XVII:</i>                                                          | butane;and isobutane is subject to UK-REACH restrictions (entry 40).<br>butane is subject to UK-REACH restrictions (entry 40).<br>Naphtha (petroleum), hydrotreated light is subject to UK-REACH restrictions (entry 40).<br>propane is subject to UK-REACH restrictions (entry 40).<br>n-hexane is subject to UK-REACH restrictions (entry 40).                                                                                                                                                                                                                                                                                                 |
| <i>Additional information:</i>                                                        | Not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <i>Sources:</i>                                                                       | The Health and Safety at Work etc. Act 1974 Regulations 2013.<br>The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29).<br>Control of Major Accident Hazards (COMAH) Regulations 2015.<br>Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.<br>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.<br>Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law. |

## 15.2. Chemical safety assessment

No

## SECTION 16: OTHER INFORMATION

### Full text of H-phrases as mentioned in section 3

H220, Extremely flammable gas.

H224, Extremely flammable liquid and vapour.

H225, Highly flammable liquid and vapour.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H336, May cause drowsiness or dizziness.

H361f, Suspected of damaging fertility.

H373, May cause damage to organs through prolonged or repeated exposure.

H400, Very toxic to aquatic life.

H411, Toxic to aquatic life with long lasting effects.

### **The full text of identified uses as mentioned in section 1**

PC 0 = Other products

### **Abbreviations and acronyms**

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWG = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

### **Additional information**

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the mixture in regard to physical hazards has been based on experimental data.

### **The safety data sheet is validated by**

## MSDS

### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

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