

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

**Date of creation:** 31 May 2017

**Revised on:** 21 Apr 2026

**Version:** 1



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## Powergas 1925°C 300ml

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

#### 1.1. Product identifier

**Trade name/designation:**

Powergas 1925°C 300ml

**Article No.:**

Y902203

**UFI:**

VQJV-UVN8-PTFR-665T

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

**Use of the substance/mixture:**

(Fuel) gases

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

**Supplier:**

**KANDO Service GmbH**

Hartleitnerstraße 3

4653 Eberstälzell

Austria

**Telephone:** +43 (0) 7241 213 79

**E-mail:** msds@kando.eu

#### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

### SECTION 2: Hazards identification

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

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

| Hazard classes and hazard categories              | Hazard statements                                         | Classification procedure |
|---------------------------------------------------|-----------------------------------------------------------|--------------------------|
| Flammable gases ( <i>Flam. Gas 1A</i> )           | H220: Extremely flammable gas.                            | On basis of test data.   |
| Gases under pressure ( <i>Press. Gas (Liq.)</i> ) | H280: Contains gas under pressure; may explode if heated. | On basis of test data.   |

#### 2.2. Label elements

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

**Hazard pictograms:**



**GHS02**

Flame

**Signal word:** Danger

| Hazard statements for physical hazards |                                                     |
|----------------------------------------|-----------------------------------------------------|
| H220                                   | Extremely flammable gas.                            |
| H280                                   | Contains gas under pressure; may explode if heated. |

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Supplemental hazard information: none

### Precautionary statements Prevention

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------|------------------------------------------------------------------------------------------------|

### Precautionary statements Response

|      |                                                                         |
|------|-------------------------------------------------------------------------|
| P377 | Leaking gas fire: Do not extinguish, unless leak can be stopped safely. |
|------|-------------------------------------------------------------------------|

|      |                                                     |
|------|-----------------------------------------------------|
| P381 | In case of leakage, eliminate all ignition sources. |
|------|-----------------------------------------------------|

### Precautionary statements Storage

|             |                                                          |
|-------------|----------------------------------------------------------|
| P410 + P403 | Protect from sunlight. Store in a well-ventilated place. |
|-------------|----------------------------------------------------------|

## 2.3. Other hazards

### Other adverse effects:

The product does not meet the PBT/vPvB criteria. The product does not contain any substances that have been shown to have endocrine-disrupting properties in accordance with the criteria set out in (EU) 2017/2100 or (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

### Additional information:

Please note that the table lists known hazards associated with ingredients in their pure form. These hazards are reduced or eliminated when the ingredients are mixed or diluted; see section 16d.

### Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers                                                                                 | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP]                                                                                                                                                                                                          | Concentration |
|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| CAS No.: 106-97-8<br>EC No.: 203-448-7<br>Index No.: 601-004-00-0<br>REACH No.:<br>01-2119474691-32 | <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b><br>Flam. Gas 1A (H220), Press. Gas (Liq.) (H280)<br>Danger<br><b>Acute Toxicity Estimate</b><br>ATE (oral) ≥ 5,000 mg/kg<br>ATE (dermal) ≥ 5,000 mg/kg<br>ATE (inhalation, gases) 658 ppmV<br>ATE (inhalation, vapour) ≥ 50 mg/L | 60<br>%       |
| CAS No.: 74-98-6<br>EC No.: 200-827-9<br>Index No.: 601-003-00-5<br>REACH No.:<br>01-2119486944-21  | <b>propane</b><br>Flam. Gas 1A (H220), Press. Gas (Comp.) (H280)<br>Danger<br><b>Acute Toxicity Estimate</b><br>ATE (oral) 5,840 mg/kg<br>ATE (dermal) 13,900 mg/kg<br>ATE (inhalation, gases) > 25 ppmV<br>ATE (inhalation, vapour) ≥ 50 mg/L                                            | 40<br>%       |

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

### General information:

Use fresh air masks when rescuing exposed persons. Take the injured person into fresh air, give oxygen immediately and take him to hospital as soon as possible.

### Following inhalation:

Remove the injured person to the open air. If breathing has stopped, give artificial respiration. If breathing is difficult, trained personnel should administer oxygen. The injured person should be placed in a warm place with fresh air and a doctor should be called immediately.

### In case of skin contact:

Remove contaminated clothing. Warm the exposed part of the body in lukewarm water if cold injury has occurred. DO NOT use water that is too warm. Frostbite should be treated by a doctor.

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### After eye contact:

If possible, remove any contact lenses immediately. Rinse eyes with lukewarm water for several minutes. If irritation persists, consult a doctor or ophthalmologist.

### Following ingestion:

Consult a doctor if symptoms persist.

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

Can cause frostbite. High concentrations may displace normal air and cause asphyxiation due to lack of oxygen. Prolonged inhalation may cause unconsciousness and/or death.

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

Treat symptomatically. If you feel unwell, seek medical advice and show the safety data sheet to a doctor.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Powder, Carbon dioxide (CO<sub>2</sub>), Foam

#### Unsuitable extinguishing media:

Full water jet

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

#### Hazardous combustion products:

In case of fire, harmful gases (carbon monoxide and carbon dioxide) may be produced. In the event of fire, pressure can build up which can cause the packaging to explode. The gas is explosive on contact with air. Flammable gas.

### \* 5.3. Advice for firefighters

Protective measures are taken with regard to the other material at the fire site. Containers near the fire should be removed and cooled with water. If the gas cylinder cannot be removed, cool with water for as long as the fire burns and then for at least another 10 minutes. Vapours are heavier than air and can spread over the ground. Use fresh air mask in case of fire. Wear full protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Keep unauthorised persons away. Use recommended protective equipment, see section 8. Do not breathe the gas. Clear the area and vent the gases. Note risk of ignition and explosion. Switch off equipment with open flame, embers or other heat generation. Note the risk of sparks from static electricity. Do not undress in the room where spillage/fallout has occurred. Use mask with fresh air supply if oxygen level is low or unknown. Do not breathe gas. Avoid contact with skin, eyes and clothes. Switch off the power with the main switch outside the room where the emission is, but not with the switch in the room where the emission took place. Ensure good ventilation/extraction at the workplace.

##### Protective equipment:

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

#### 6.1.2. For emergency responders

No data available

### \* 6.2. Environmental precautions

Avoid release to the environment. Notify emergency services in case of major spills. Prevent entry into sewers, cellars, working pits or other places where gas accumulation could be dangerous.

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

#### Other information:

The gas from leaking gas cylinders must evaporate outdoors. Evacuate and ventilate the building. Only use non-sparking tools. Ensure good ventilation/extraction at the workplace.

#### 6.4. Reference to other sections

For further information on personal protective equipment: see section 8.

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For further information on disposal: see section 13.

### SECTION 7: Handling and storage

#### \* 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Take the necessary precautions and protective measures to ensure safe handling. Only experienced and appropriately trained persons should handle compressed gas. Only use equipment suitable for this product, its pressure and temperature. If in doubt, please contact your gas supplier. Do not breathe gas. Avoid contact with skin, eyes and clothes. Work in such a way that spillages are avoided. If this does happen, act as described in section 6 of this safety data sheet. Check hoses and closures regularly, paying attention to gas leaks. Do not eat, drink or smoke in rooms where this product is used. Open flames, hot objects, sparks or other sources of ignition must not be present in the premises where this product is handled. Prevent static electricity from semi-conductive floor coverings, shoe soles and humidity above 50%. There must be an evacuation plan and evacuation routes must not be blocked. Take precautionary measures against static discharge. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store separately from food. Store out of reach of children and pets.

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

##### Technical measures and storage conditions:

The product should be stored in such a way that risks to health and the environment are avoided. Avoid contact with people and animals and do not dispose of the product in a sensitive environment. Take the necessary precautions and protective measures for safe storage. Keep away from food and animal feed and from equipment or surfaces that come into contact with them. Keep out of reach of children. Store tightly closed in the original packaging. Always use sealed and clearly labelled packaging. Store in a well-ventilated area. Store in a dry place that is not above normal room temperature. Store at a maximum of 50 °C. Do not store in direct sunlight. Avoid naked flames, hot objects, sparks or other sources of ignition. Do not store near incompatible materials (see section 10.5).

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### \* 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

| Limit value type<br>(country of origin) | Substance name                                                                                     | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAK (AT)                                | <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b><br>CAS No.: 106-97-8<br>EC No.: 203-448-7 | ① 800 ppm (1,900 mg/m <sup>3</sup> )                                                                                                                                           |
| MAK (AT)                                | <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b><br>CAS No.: 106-97-8<br>EC No.: 203-448-7 | ② 1,600 ppm (3,800 mg/m <sup>3</sup> )<br>⑤ (max. 3x60 min./Schicht, Momentanwert) 60(Mow); 3x                                                                                 |
| MAK (AT)                                | <b>propane</b><br>CAS No.: 74-98-6<br>EC No.: 200-827-9                                            | ② 2,000 ppm (3,600 mg/m <sup>3</sup> )<br>⑤ (max. 3x60 min./Schicht, Momentanwert)                                                                                             |
| MAK (AT)                                | <b>propane</b><br>CAS No.: 74-98-6<br>EC No.: 200-827-9                                            | ① 1,000 ppm (1,800 mg/m <sup>3</sup> )                                                                                                                                         |

##### 8.1.2. Biological limit values

No data available

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### 8.1.3. DNEL-/PNEC-values

No data available

### \* 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Ventilation in the workplace must ensure air quality that meets the specifications of the applicable working environment legislation. Local exhaust ventilation should be used to remove airborne contaminants at source. Since nitrogen gases could be released, oxygen meters should be used.

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

Wear eye protection/face protection. EN 166

##### Skin protection:

Hand protection:

Wear protective gloves. (EN 374). Breakthrough time: 240 - 480 min. The most suitable protective gloves should be selected in consultation with the glove supplier, taking into account the risk assessment of the specific activity and the properties of the chemicals involved. Please note that the breakthrough time of the material is influenced by the duration of exposure, temperature conditions, wear and tear, etc. Glove material: Butyl caoutchouc (butyl rubber) Wear cold insulating gloves/face shield/eye protection.

Body protection:

Wear suitable protective clothing when working.

##### Respiratory protection:

Use respiratory protection if ventilation is poor. Fresh air breathing mask may be necessary. The most appropriate respiratory protective equipment should be selected in consultation with the appointed safety representative, taking into account the risk assessment of the specific activity. Filter type: A.

##### Other protection measures:

The hazards posed by the product or its components must be considered in the activity-based risk assessment in accordance with the applicable working environment legislation. The risk assessment should be reviewed regularly and updated as necessary.

### 8.2.3. Environmental exposure controls

For further information on ecological hazards: see section 12.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state:** gaseous

**Colour:** colourless

**Odour:** odourless

**flammability:** No data available

#### Safety relevant basis data

| Parameter                                    | Value                    | at °C | ① Method<br>② Remark |
|----------------------------------------------|--------------------------|-------|----------------------|
| pH                                           | <i>not applicable</i>    |       | ② gaseous            |
| Melting point                                | -188 °C                  |       |                      |
| Freezing point                               | -188 °C                  |       |                      |
| Initial boiling point and boiling range      | -42 °C                   |       |                      |
| Flash point                                  | -40 °C                   |       |                      |
| Evaporation rate                             | <i>No data available</i> |       |                      |
| Auto-ignition temperature                    | 450 °C                   |       |                      |
| Upper/lower flammability or explosive limits | 2 - 11 %                 |       |                      |
| Vapour pressure                              | 430 kPa                  | 15 °C |                      |
| Vapour density                               | 1.5                      | 15 °C |                      |
| Density                                      | 0.5 kg/L                 |       |                      |
| Bulk density                                 | <i>not applicable</i>    |       |                      |

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| Parameter        | Value             | at °C | ① Method<br>② Remark |
|------------------|-------------------|-------|----------------------|
| Water solubility | No data available |       |                      |

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### \* 10.1. Reactivity

Formation of explosive gas mixtures with air.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### \* 10.3. Possibility of hazardous reactions

Formation of explosive gas mixtures with air. Reacts strongly or explosively with certain oxidising agents.

### \* 10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Protect from heat and direct sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### \* 10.5. Incompatible materials

Avoid contact with: Oxidising substances, Halogens

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

|                                                                                              |  |
|----------------------------------------------------------------------------------------------|--|
| <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7 |  |
| <b>LD<sub>50</sub> oral:</b> ≥5,000 mg/kg (Rat)                                              |  |
| <b>LD<sub>50</sub> dermal:</b> ≥5,000 mg/kg (Rabbit)                                         |  |
| <b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> 658 ppmV 4 h (Rat)                   |  |
| <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> ≥50 mg/L 4 h (Rat)                |  |
| <b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9                                            |  |
| <b>LD<sub>50</sub> oral:</b> 5,840 mg/kg (Rat)                                               |  |
| <b>LD<sub>50</sub> dermal:</b> 13,900 mg/kg (Rabbit)                                         |  |
| <b>LC<sub>50</sub> Acute inhalation toxicity (gas):</b> >25 ppmV 4 h (Rat)                   |  |
| <b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> ≥50 mg/L 4 h (Rat)                |  |

#### Skin corrosion/irritation:

Is not classified as skin corrosive/irritant.

#### Serious eye damage/irritation:

Is not classified as seriously damaging or irritating to the eyes.

#### Respiratory or skin sensitisation:

No sensitising effect known.

#### Germ cell mutagenicity:

Is not to be classified as germ cell mutagenic (mutagenic).

#### Carcinogenicity:

Is not to be classified as carcinogenic.

#### Reproductive toxicity:

Is not classified as toxic for reproduction.

#### STOT-single exposure:

Is not to be classified as specific target organ toxicant (single exposure).

#### STOT-repeated exposure:

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

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### Aspiration hazard:

Is not to be classified as an aspiration hazard.

### Additional information:

Caution: Inhalation of large quantities may cause suffocation due to lack of oxygen.

### \* 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### \* 12.1. Toxicity

|                                                                                                            |
|------------------------------------------------------------------------------------------------------------|
| <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7               |
| LC <sub>50</sub> : 49.9 mg/L 4 d (fish)                                                                    |
| LC <sub>50</sub> : 49.9 mg/L 4 d (fish)                                                                    |
| EC <sub>50</sub> : 69.43 mg/L 2 d (crustaceans, Daphnia sp.) Calculation with the ECOSAR programme v1.00.  |
| EC <sub>50</sub> : 69.43 mg/L 2 d (crustaceans, Daphnia sp.)                                               |
| ErC <sub>50</sub> : 19.37 mg/L 4 d (Algae/water plant, Algae) Calculation using ECOSAR Program v1.00       |
| ErC <sub>50</sub> : 19.37 mg/L 4 d (Algae (not specified))                                                 |
| LC <sub>50</sub> : 24 mg/L (fish)                                                                          |
| EC <sub>50</sub> : 7.7 mg/L 4 d (Algae/water plant)                                                        |
| <b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9                                                          |
| LC <sub>50</sub> : 9,640 mg/L 4 d (fish, Pimephales promelas)                                              |
| LC <sub>50</sub> : 0.41 mg/L 4 d (fish, Oncorhynchus mykiss)                                               |
| LC <sub>50</sub> : 49.9 mg/L 4 d (fish)                                                                    |
| EC <sub>50</sub> : >100 mg/L (Algae/water plant, Bacteria)                                                 |
| EC <sub>50</sub> : 0.17 mg/L 3 d (Algae/water plant, Selenastrum capricornutum)                            |
| EC <sub>50</sub> : 69.43 mg/L 2 d (crustaceans, Daphnia) Calculation with the ECOSAR programme v1.00.      |
| NOEC: 0.017 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)                                  |
| ErC <sub>50</sub> : 19.37 mg/L 4 d (Algae/water plant, Algae) Calculation with the ECOSAR programme v1.00. |
| LOEC: 1,000 mg/L (Algae/water plant, Algae)                                                                |
| LOEC: 1,000 mg/L (Algae/water plant, Alge)                                                                 |
| IC <sub>50</sub> : 11.3 mg/L 3 d (Algae/water plant)                                                       |
| LOEC: 1,000 mg/L                                                                                           |

### \* 12.2. Persistence and degradability

|                                                                                              |
|----------------------------------------------------------------------------------------------|
| <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7 |
| Biodegradation: Yes, rapidly                                                                 |
| <b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9                                            |
| Biodegradation: Yes, rapidly                                                                 |

### Biodegradation:

The product is easily biodegradable.

### 12.3. Bioaccumulative potential

|                                                                                              |
|----------------------------------------------------------------------------------------------|
| <b>Butane (contains &lt; 0.1% butadiene (203-450-8))</b> CAS No.: 106-97-8 EC No.: 203-448-7 |
| Log K <sub>OW</sub> : 1.09                                                                   |
| <b>propane</b> CAS No.: 74-98-6 EC No.: 200-827-9                                            |
| Log K <sub>OW</sub> : 1.09                                                                   |

### Bioconcentration factor (BCF):

This product or its ingredients do not accumulate in nature.

### \* 12.4. Mobility in soil

Evaporates quickly into the air.

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### 12.5. Results of PBT and vPvB assessment

**Butane (contains < 0.1% butadiene (203-450-8))** CAS No.: 106-97-8 EC No.: 203-448-7

**Results of PBT and vPvB assessment:** —

**propane** CAS No.: 74-98-6 EC No.: 200-827-9

**Results of PBT and vPvB assessment:** —

The product does not meet the PBT/vPvB criteria.

### \* 12.6. Endocrine disrupting properties

The product does not contain any substances that have been shown to have endocrine-disrupting properties in accordance with the criteria set out in (EU) 2017/2100 or (EU) 2018/605.

### \* 12.7. Other adverse effects

Large emissions in the atmosphere can produce ground surface ozone in sunlight and are thus harmful to vegetation and can cause respiratory problems for humans and animals.

water hazard class: non-hazardous to water

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product and packaging must be treated as hazardous waste. Pressure vessels: Do not puncture or incinerate, even after use. Also consider local regulations on waste disposal. See Regulation 2008/98/EC on waste. Please comply with national or regional regulations on waste disposal. This product is not normally recycled.

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

16 05 04 \* Gases in pressure containers (including halons) containing hazardous substances

\*: Evidence for disposal must be provided.

#### Waste treatment options

##### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

| Land transport (ADR/RID)                                                                   | Inland waterway craft (ADN)                                                                | Sea transport (IMDG)                                                                                                     | Air transport (ICAO-TI / IATA-DGR)                                                                     |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>14.1. UN number or ID number</b>                                                        |                                                                                            |                                                                                                                          |                                                                                                        |
| UN 2037                                                                                    | UN 2037                                                                                    | UN 2037                                                                                                                  | UN 2037                                                                                                |
| <b>14.2. UN proper shipping name</b>                                                       |                                                                                            |                                                                                                                          |                                                                                                        |
| RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                                        | RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                                        | RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                                                                      | RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)                                                    |
| <b>14.3. Transport hazard class(es)</b>                                                    |                                                                                            |                                                                                                                          |                                                                                                        |
| <br>2.1 | <br>2.1 | <br>2.1                               | <br>2.1           |
| <b>14.4. Packing group</b>                                                                 |                                                                                            |                                                                                                                          |                                                                                                        |
|                                                                                            |                                                                                            | -                                                                                                                        |                                                                                                        |
| <b>14.5. Environmental hazards</b>                                                         |                                                                                            |                                                                                                                          |                                                                                                        |
| No data available                                                                          | No data available                                                                          | No data available                                                                                                        | No data available                                                                                      |
| <b>14.6. Special precautions for user</b>                                                  |                                                                                            |                                                                                                                          |                                                                                                        |
| <b>Classification code:</b><br>5F                                                          | <b>Classification code:</b><br>5F                                                          | <b>Remark:</b><br>Transport category: 2;<br>Maximum total quantity per transport unit 333 kg or litres. Stowage category | <b>Remark:</b><br>Transport category: 2;<br>maximum total quantity per transport unit 333 kg or litres |
| <b>Tunnel restriction code:</b><br>(D)                                                     |                                                                                            |                                                                                                                          |                                                                                                        |

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| Land transport (ADR/RID)                                                                                     | Inland waterway craft (ADN)                                                                                  | Sea transport (IMDG)            | Air transport (ICAO-TI / IATA-DGR) |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------|
| <b>Remark:</b><br>Transport category: 2;<br>maximum total quantity<br>per transport unit 333 kg<br>or litres | <b>Remark:</b><br>Transport category: 2;<br>maximum total quantity<br>per transport unit 333 kg<br>or litres | (IMDG) not specified<br>(IMDG). |                                    |

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

not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

##### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Named dangerous substances:

- Liquefied flammable gases, Category 1 or 2 (including liquefied petroleum gas) and natural gas

#### 15.1.2. National regulations

No data available

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

### \* 16.1. Indication of changes

|       |                                                                            |
|-------|----------------------------------------------------------------------------|
| 2.3.  | Other hazards                                                              |
| 3.2.  | Mixtures                                                                   |
| 4.1.  | Description of first aid measures                                          |
| 4.2.  | Most important symptoms and effects, both acute and delayed                |
| 4.3.  | Indication of any immediate medical attention and special treatment needed |
| 5.3.  | Advice for firefighters                                                    |
| 6.1.  | Personal precautions, protective equipment and emergency procedures        |
| 6.2.  | Environmental precautions                                                  |
| 6.3.  | Methods and material for containment and cleaning up                       |
| 7.1.  | Precautions for safe handling                                              |
| 7.2.  | Conditions for safe storage, including any incompatibilities               |
| 8.1.  | Control parameters                                                         |
| 8.2.  | Exposure controls                                                          |
| 10.1. | Reactivity                                                                 |
| 10.3. | Possibility of hazardous reactions                                         |
| 10.4. | Conditions to avoid                                                        |
| 10.5. | Incompatible materials                                                     |
| 11.1. | Information on hazard classes as defined in Regulation (EC) No 1272/2008   |
| 11.2. | Information on other hazards                                               |
| 12.1. | Toxicity                                                                   |
| 12.2. | Persistence and degradability                                              |
| 12.4. | Mobility in soil                                                           |
| 12.6. | Endocrine disrupting properties                                            |
| 12.7. | Other adverse effects                                                      |
| 16.1. | Indication of changes                                                      |

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according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

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## Powergas 1925°C 300ml

|       |                                                                                                        |
|-------|--------------------------------------------------------------------------------------------------------|
| 16.2. | Abbreviations and acronyms                                                                             |
| 16.4. | Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP] |
| 16.5. | List of relevant hazard statements and/or precautionary statements from sections 2 to 15               |
| 16.7. | Additional information                                                                                 |

### \* 16.2. Abbreviations and acronyms

|                  |                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------|
| ACGIH            | American Conference of Governmental Industrial Hygienists                                       |
| ADN              | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR              | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE              | Acute Toxicity Estimate                                                                         |
| AVV              | Waste Shipment Ordinance (DE)                                                                   |
| BCF              | Bioconcentration Factor                                                                         |
| CAS              | Chemical Abstracts Service                                                                      |
| CLP              | Classification, Labelling and Packaging                                                         |
| DIN              | German Institute for Standardization / German Industrial Standard                               |
| DNEL             | derived no-effect level                                                                         |
| EAK              | European Waste Catalogue                                                                        |
| EC <sub>50</sub> | Effective Concentration 50%                                                                     |
| EG               | European Community                                                                              |
| EN               | European Standard                                                                               |
| ES               | Exposure scenario                                                                               |
| EU               | European Union                                                                                  |
| EWC              | European Waste Catalogue                                                                        |
| IC <sub>50</sub> | Inhibition Concentration 50 %                                                                   |
| ICAO             | International Civil Aviation Organization                                                       |
| IMDG             | International Maritime Dangerous Goods                                                          |
| IMO              | International Maritime Organization                                                             |
| ISO              | International Standards Organisation                                                            |
| LC <sub>50</sub> | Lethal (fatal) Concentration 50%                                                                |
| LD <sub>50</sub> | Lethal (fatal) Dose 50%                                                                         |
| MAK              | Maximum concentration in the workplace air (CH)                                                 |
| NFPA             | National Fire Protection Association                                                            |
| NIOSH            | National Institute for Occupational Safety & Health                                             |
| NOEC             | No Observed Effect Concentration                                                                |
| OSHA             | Occupational Safety & Health Administration                                                     |
| PBT              | persistent and bioaccumulative and toxic                                                        |
| PNEC             | Predicted No Effect Concentration                                                               |
| REACH            | Registration, Evaluation and Authorization of Chemicals                                         |
| RID              | Dangerous goods regulations for transport by rail                                               |
| TRGS             | Technische Regeln für Gefahrstoffe                                                              |
| UN               | United Nations                                                                                  |

### 16.3. Key literature references and sources for data

No data available

### \* 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories              | Hazard statements                                         | Classification procedure |
|---------------------------------------------------|-----------------------------------------------------------|--------------------------|
| Flammable gases ( <i>Flam. Gas 1A</i> )           | H220: Extremely flammable gas.                            | On basis of test data.   |
| Gases under pressure ( <i>Press. Gas (Liq.)</i> ) | H280: Contains gas under pressure; may explode if heated. | On basis of test data.   |

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### \* 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

| Hazard statements |                                                     |
|-------------------|-----------------------------------------------------|
| H220              | Extremely flammable gas.                            |
| H280              | Contains gas under pressure; may explode if heated. |

### 16.6. Training advice

No data available

### \* 16.7. Additional information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

\* Data changed compared with the previous version.