

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

### Pro-Line PTFE-Pulverspray

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

##### Relevant identified uses of the substance or mixture:

Lubricant and greasing spray  
Separator

##### Uses advised against:

No information available at present.

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

LIQUI MOLY GmbH  
Jerg-Wieland-Str. 4  
89081 Ulm-Lehr  
Tel.: (+49) 0731-1420-0  
Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

##### Emergency information services / official advisory body:

---

##### Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR)  
+1 872 5888271 (LMR)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008 (CLP)

| Hazard class    | Hazard category | Hazard statement  |
|-----------------|-----------------|---|
| Skin Irrit.     | 2               | H315-Causes skin irritation.                            |
| Asp. Tox.       | 1               | H304-May be fatal if swallowed and enters airways.      |
| Aquatic Chronic | 3               | H412-Harmful to aquatic life with long lasting effects. |
| Aerosol         | 1               | H222-Extremely flammable aerosol.                       |
| Aerosol         | 1               | H229-Pressurised container: May burst if heated.        |

#### 2.2 Label elements

##### Labeling according to Regulation (EC) 1272/2008 (CLP)

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revision date / version: 01.11.2021 / 0012

Replacing version dated / version: 22.04.2021 / 0011

Valid from: 01.11.2021

PDF print date: 01.11.2021

Pro-Line PTFE-Pulverspray



Danger

H315-Causes skin irritation. H412-Harmful to aquatic life with long lasting effects. H222-Extremely flammable aerosol. H229-Pressurised container: May burst if heated.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

P210-Keep away from heat, 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. P280-Wear protective gloves.

P302+P352-IF ON SKIN: Wash with plenty of water and soap. P332+P313-If skin irritation occurs: Get medical advice / attention.

P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

Without adequate ventilation, formation of explosive mixtures may be possible.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane

### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (&lt; 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (&lt; 0,1 %).

The mixture does not contain any substance with endocrine disrupting properties (&lt; 0,1 %).

### 3.1 Substances

n.a.

### 3.2 Mixtures

|   |  |
|---|--|
| <b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>   |  |
| <b>Registration number (REACH)</b>  | 01-2119475514-35-XXXX  |
| <b>Index</b>  | ---  |
| <b>EINECS, ELINCS, NLP, REACH-IT List-No.</b>                                 | 921-024-6  |
| <b>CAS</b>  | ---  |
| <b>content %</b>  | 15-<20   |
| <b>Classification according to Regulation (EC) 1272/2008 (CLP), M-factors</b> | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |

## SECTION 3: Composition/information on ingredients

Aerosol

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Page 3 of 14  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 01.11.2021 / 0012  
Replacing version dated / version: 22.04.2021 / 0011  
Valid from: 01.11.2021  
PDF print date: 01.11.2021  
Pro-Line PTFE-Pulverspray

Never pour anything into the mouth of an unconscious person!

### **Inhalation**

Remove person from danger area.  
Supply person with fresh air and consult doctor according to symptoms.

### **Skin contact**

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

### **Eye contact**

Remove contact lenses.  
Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available.

### **Ingestion**

Typically no exposure pathway.  
Rinse the mouth thoroughly with water.  
Do not induce vomiting. Consult doctor immediately.  
Danger of aspiration.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.  
In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

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

n.c.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

CO<sub>2</sub>  
Extinction powder

#### **Unsuitable extinguishing media**

n.c.

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

In case of fire the following can develop:

Oxides of carbon  
Toxic gases  
Danger of bursting (explosion) when heated  
Explosive vapour/air or gas/air mixtures.

### **5.3 Advice for firefighters**

For personal protective equipment see Section 8.  
In case of fire and/or explosion do not breathe fumes.  
Protective respirator with independent air supply.  
Full protection, if necessary.  
Cool container at risk with water.  
Dispose of contaminated extinction water according to official regulations.

## **SECTION 6: Accidental release measures**

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

#### **6.1.1 For non-emergency personnel**

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination.  
Ensure sufficient ventilation, remove sources of ignition.  
Avoid dust formation with solid or powder products.  
Leave the danger zone if possible, use existing emergency plans if necessary.  
Remove possible causes of ignition - do not smoke.  
Ensure sufficient supply of air.  
Avoid inhalation, and contact with eyes or skin.

#### **6.1.2 For emergency responders**

See section 8 for suitable protective equipment and material specifications.

### **6.2 Environmental precautions**

Prevent from entering drainage system.  
Prevent surface and ground-water infiltration, as well as ground penetration.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

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

If spray or gas escapes, ensure ample fresh air is available.

Active substance:

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

## SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Do not use on hot surfaces.

Do not use the product in enclosed spaces.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

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

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Observe special regulations for aerosols!

Observe special storage conditions.

Observe special storage conditions.

Keep protected from direct sunlight and temperatures over 50°C.

Store in a well ventilated place.

### 7.3 Specific end use(s)

No information available at present.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):

1000 mg/m<sup>3</sup>

| Chemical Name                              | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane   | Content %:15-<br><20 |
|--|---|----------------------|
| WEL-TWA: 1000 mg/m <sup>3</sup>            | WEL-STEL: ---   | ---                  |
| Monitoring procedures:                     | - Compur - KITA-187 S (551 174)                                     |                      |
| BMGV: ---                                  | Other information: (OEL acc. to RCP-method, paragraphs 84-87, EH40) |                      |
| Chemical Name                              | Butane  | Content %:           |
| WEL-TWA: 600 ppm (1450 mg/m <sup>3</sup> ) | WEL-STEL: 750 ppm (1810 mg/m <sup>3</sup> )                         | ---                  |
| Monitoring procedures:                     | - Compur - KITA-221 SA (549 459)<br>- OSHA PV2010 (n-Butane) - 1993 |                      |
| BMGV: ---                                  | Other information: ---  |                      |
| Chemical Name                              | Isobutane   | Content %:           |
| WEL-TWA: 1000 ppm (EX) (ACGIH)             | WEL-STEL: ---   | ---                  |
| Monitoring procedures:                     | - Compur - KITA-113 SB(C) (549 368)                                 |                      |
| BMGV: ---                                  | Other information: ---  |                      |
| Chemical Name                              | Propane   | Content %:           |
| WEL-TWA: 1000 ppm (ACGIH)                  | WEL-STEL: ---   | ---                  |

Ⓞ

Page 5 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

Monitoring procedures: - Compur - KITA-125 SA (549 954)  
 - OSHA PV2077 (Propane) - 1990

BMGV: --- Other information: ---

**Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

| Area of application | Exposure route / Environmental compartment | Effect on health            | Descriptor | Value | Unit       | Note |
|---------------------|--|-----------------------------|------------|-------|------------|------|
| Consumer            | Human - oral                               | Long term, systemic effects | DNEL       | 699   | mg/kg bw/d |      |
| Consumer            | Human - dermal                             | Long term, systemic effects | DNEL       | 699   | mg/kg bw/d |      |
| Consumer            | Human - inhalation                         | Long term, systemic effects | DNEL       | 608   | mg/m3      |      |
| Workers / employees | Human - inhalation                         | Long term, systemic effects | DNEL       | 2035  | mg/m3      |      |
| Workers / employees | Human - dermal                             | Long term, systemic effects | DNEL       | 733   | mg/kg bw/d |      |

Ⓞ WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).  
 (8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).  
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.  
 \*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.  
 (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls**

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.  
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.  
 These are specified by e.g. EN 14042.  
 EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

**8.2.2 Individual protection measures, such as personal protective equipment**

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:  
 Protective nitrile gloves (EN ISO 374).  
 Minimum layer thickness in mm:  
 0,5  
 Permeation time (penetration time) in minutes:  
 >= 480  
 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.  
 The recommended maximum wearing time is 50% of breakthrough time.

Page 6 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

Protective hand cream recommended.

Skin protection - Other:  
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:  
 If OES or MEL is exceeded.  
 Filter A P2 (EN 14387), code colour brown, white  
 At high concentrations:  
 Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138)  
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:  
 Not applicable

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
 Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state:   | Aerosol. Active substance: liquid.                   |
| Colour:   | White  |
| Odour:  | Characteristic                                       |
| Melting point/freezing point:                             | There is no information available on this parameter. |
| Boiling point or initial boiling point and boiling range: | There is no information available on this parameter. |
| Flammability:   | Yes  |
| Lower explosion limit:                                    | 1,4 Vol-%  |
| Upper explosion limit:                                    | 32 Vol-%   |
| Flash point:  | Does not apply to aerosols.                          |
| Auto-ignition temperature:                                | 510 °C   |
| Decomposition temperature:                                | There is no information available on this parameter. |
| pH:   | Mixture is non-soluble (in water).                   |
| Kinematic viscosity:                                      | Does not apply to aerosols.                          |
| Solubility:   | Insoluble  |
| Partition coefficient n-octanol/water (log value):        | Does not apply to mixtures.                          |
| Vapour pressure:  | 4100 hPa   |
| Density and/or relative density:                          | 0,58 g/ml  |
| Relative vapour density:                                  | Does not apply to aerosols.                          |
| Particle characteristics:                                 | Does not apply to aerosols.                          |

### 9.2 Other information

|                    |   |
|--------------------|---|
| Explosives:        | Product is not explosive. When using: development of explosive vapour/air mixture possible. |
| Oxidising liquids: | No  |
| Bulk density:      | n.a.  |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur during storage and handling under normal conditions.

### 10.4 Conditions to avoid

Heating, open flame, ignition sources  
 Pressure increase will result in danger of bursting.

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition when used as directed.

## SECTION 11: Toxicological information

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

Possibly more information on health effects, see Section 2.1 (classification).

| Pro-Line PTFE-Pulverspray                                     |          |       |      |          |             |        |
|---|----------|-------|------|----------|-------------|--------|
| Toxicity / effect   | Endpoint | Value | Unit | Organism | Test method | Notes  |
| Acute toxicity, by oral route:                                |          |       |      |          |             | n.d.a. |
| Acute toxicity, by dermal route:                              |          |       |      |          |             | n.d.a. |
| Acute toxicity, by inhalation:                                |          |       |      |          |             | n.d.a. |
| Skin corrosion/irritation:                                    |          |       |      |          |             | n.d.a. |
| Serious eye damage/irritation:                                |          |       |      |          |             | n.d.a. |
| Respiratory or skin sensitisation:                            |          |       |      |          |             | n.d.a. |
| Germ cell mutagenicity:                                       |          |       |      |          |             | n.d.a. |
| Carcinogenicity:  |          |       |      |          |             | n.d.a. |
| Reproductive toxicity:  |          |       |      |          |             | n.d.a. |
| Specific target organ toxicity - single exposure (STOT-SE):   |          |       |      |          |             | n.d.a. |
| Specific target organ toxicity - repeated exposure (STOT-RE): |          |       |      |          |             | n.d.a. |
| Aspiration hazard:  |          |       |      |          |             | n.d.a. |
| Symptoms:   |          |       |      |          |             | n.d.a. |

| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane |          |       |         |            |  |                                    |
|---|----------|-------|---------|------------|--|------------------------------------|
| Toxicity / effect   | Endpoint | Value | Unit    | Organism   | Test method                                  | Notes                              |
| Acute toxicity, by oral route:                                    | LD50     | >5840 | mg/kg   | Rat        |  |                                    |
| Acute toxicity, by dermal route:                                  | LD50     | >2920 | mg/kg   | Rat        |  |                                    |
| Acute toxicity, by inhalation:                                    | LC50     | 25,2  | mg/l/4h | Rat        |  | Vapours                            |
| Skin corrosion/irritation:  |          |       |         | Rabbit     | OECD 404 (Acute Dermal Irritation/Corrosion) | Skin Irrit. 2                      |
| Serious eye damage/irritation:                                    |          |       |         |            |  | Slightly irritant                  |
| Respiratory or skin sensitisation:                                |          |       |         | Guinea pig | OECD 406 (Skin Sensitisation)                | No (skin contact)                  |
| Specific target organ toxicity - single exposure (STOT-SE):       |          |       |         |            |  | May cause drowsiness or dizziness. |
| Aspiration hazard:  |          |       |         |            |  | Yes                                |
| Symptoms:   |          |       |         |            |  | may cause headaches and vertigo.   |

| Butane                         |          |       |         |                        |  |          |
|--------------------------------|----------|-------|---------|------------------------|--|----------|
| Toxicity / effect              | Endpoint | Value | Unit    | Organism               | Test method  | Notes    |
| Acute toxicity, by inhalation: | LC50     | 658   | mg/l/4h | Rat                    |  |          |
| Germ cell mutagenicity:        |          |       |         | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)               | Negative |
| Germ cell mutagenicity:        |          |       |         |                        | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative |



Page 8 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

|   |       |        |      |             |  |  |
|---|-------|--------|------|-------------|--|--|
| Germ cell mutagenicity:   |       |        |      | Human being | OECD 473 (In Vitro Mammalian Chromosome Aberration Test)   | Negative   |
| Germ cell mutagenicity:   |       |        |      | Rat         | OECD 474 (Mammalian Erythrocyte Micronucleus Test)   | Negative   |
| Aspiration hazard:  |       |        |      |             |  | No   |
| Symptoms:   |       |        |      |             |  | ataxia, breathing difficulties, drowsiness, unconsciousness, frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 21,394 | mg/l | Rat         | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) |  |

| <b>Isobutane</b>  |                 |              |             |                        |  |  |
|---|-----------------|--------------|-------------|------------------------|--|--|
| <b>Toxicity / effect</b>  | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>        | <b>Test method</b>   | <b>Notes</b>   |
| Acute toxicity, by inhalation:  | LC50            | 658          | mg/l/4h     | Rat                    |  |  |
| Acute toxicity, by inhalation:  | LC50            | 260000       | ppmV/4h     | Rat                    |  | Gasses, Male   |
| Serious eye damage/irritation:  |                 |              |             | Rabbit                 |  | Not irritant   |
| Germ cell mutagenicity:   |                 |              |             | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)   | Negative   |
| Aspiration hazard:  |                 |              |             |                        |  | No   |
| Symptoms:   |                 |              |             |                        |  | unconsciousness, frostbite, headaches, cramps, dizziness, nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL           | 21,394       | mg/l        | Rat                    | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) |  |

| <b>Propane</b>                 |                 |              |             |                        |  |                                    |
|--------------------------------|-----------------|--------------|-------------|------------------------|--|------------------------------------|
| <b>Toxicity / effect</b>       | <b>Endpoint</b> | <b>Value</b> | <b>Unit</b> | <b>Organism</b>        | <b>Test method</b>                                       | <b>Notes</b>                       |
| Acute toxicity, by inhalation: | LC50            | 658          | mg/l/4h     | Rat                    |  |                                    |
| Acute toxicity, by inhalation: | LC50            | 260000       | ppmV/4h     | Rat                    |  | Gasses, Male, Analogous conclusion |
| Skin corrosion/irritation:     |                 |              |             |                        |  | Not irritant                       |
| Serious eye damage/irritation: |                 |              |             |                        |  | Not irritant                       |
| Germ cell mutagenicity:        |                 |              |             |                        | OECD 473 (In Vitro Mammalian Chromosome Aberration Test) | Negative                           |
| Germ cell mutagenicity:        |                 |              |             | Salmonella typhimurium | OECD 471 (Bacterial Reverse Mutation Test)               | Negative                           |



Page 9 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

|   |       |        |      |     |  |  |
|---|-------|--------|------|-----|--|--|
| Reproductive toxicity (Developmental toxicity):                         | NOAEC | 21,641 | mg/l |     | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) |  |
| Aspiration hazard:  |       |        |      |     |  | No   |
| Symptoms:   |       |        |      |     |  | breathing difficulties, unconsciousness, frostbite, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting. |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | NOAEL | 7,214  | mg/l | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) |  |
| Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.: | LOAEL | 21,641 | mg/l | Rat | OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test) |  |

## 11.2. Information on other hazards

| Pro-Line PTFE-Pulverspray        |          |       |      |          |             |   |
|----------------------------------|----------|-------|------|----------|-------------|---|
| Toxicity / effect                | Endpoint | Value | Unit | Organism | Test method | Notes   |
| Endocrine disrupting properties: |          |       |      |          |             | Does not apply to mixtures.   |
| Other information:               |          |       |      |          |             | No other relevant information available on adverse effects on health. |

## SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

| Pro-Line PTFE-Pulverspray                |          |      |       |      |          |             |                               |
|--|----------|------|-------|------|----------|-------------|-------------------------------|
| Toxicity / effect                        | Endpoint | Time | Value | Unit | Organism | Test method | Notes                         |
| 12.1. Toxicity to fish:                  |          |      |       |      |          |             | n.d.a.                        |
| 12.1. Toxicity to daphnia:               |          |      |       |      |          |             | n.d.a.                        |
| 12.1. Toxicity to algae:                 |          |      |       |      |          |             | n.d.a.                        |
| 12.2. Persistence and degradability:     |          |      |       |      |          |             | n.d.a.                        |
| 12.3. Bioaccumulative potential:         |          |      |       |      |          |             | n.d.a.                        |
| 12.4. Mobility in soil:                  |          |      |       |      |          |             | Product is slightly volatile. |
| 12.5. Results of PBT and vPvB assessment |          |      |       |      |          |             | n.d.a.                        |
| 12.6. Endocrine disrupting properties:   |          |      |       |      |          |             | n.d.a.                        |
| 12.7. Other adverse effects:             |          |      |       |      |          |             | n.d.a.                        |

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

| Toxicity / effect                    | Endpoint  | Time | Value | Unit | Organism                        | Test method  | Notes                                 |
|--------------------------------------|-----------|------|-------|------|---------------------------------|--|---------------------------------------|
| 12.7. Other adverse effects:         |           |      |       |      |                                 |  | Product floats on the water surface.  |
| 12.1. Toxicity to fish:              | LC50      | 96h  | 11,4  | mg/l | Oncorhynchus mykiss             | OECD 203 (Fish, Acute Toxicity Test)                               | Goldforelle (Oncorhynchus aguabonita) |
| 12.1. Toxicity to fish:              | NOEC/NOEL | 28d  | 2,045 | mg/l | Oncorhynchus mykiss             | QSAR   |                                       |
| 12.1. Toxicity to daphnia:           | NOEC/NOEL | 21d  | 1     | mg/l | Daphnia magna                   | OECD 211 (Daphnia magna Reproduction Test)                         |                                       |
| 12.1. Toxicity to daphnia:           | EC50      | 48h  | 3     | mg/l | Daphnia magna                   | OECD 202 (Daphnia sp. Acute Immobilisation Test)                   |                                       |
| 12.1. Toxicity to algae:             | EC50      | 72h  | 30    | mg/l | Pseudokirchneriella subcapitata |  |                                       |
| 12.2. Persistence and degradability: |           | 28d  | 100   | %    |                                 | OECD 301 F (Ready Biodegradability - Manometric Respirometry Test) | Readily biodegradable                 |

**Butane**

| Toxicity / effect                        | Endpoint | Time | Value | Unit | Organism | Test method | Notes   |
|--|----------|------|-------|------|----------|-------------|---|
| 12.1. Toxicity to fish:                  | LC50     | 96h  | 24,11 | mg/l |          | QSAR        |   |
| 12.1. Toxicity to daphnia:               | LC50     | 48h  | 14,22 | mg/l |          | QSAR        |   |
| 12.3. Bioaccumulative potential:         | Log Pow  |      | 2,98  |      |          |             | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.5. Results of PBT and vPvB assessment |          |      |       |      |          |             | No PBT substance, No vPvB substance   |

**Isobutane**

| Toxicity / effect                        | Endpoint | Time | Value | Unit | Organism | Test method | Notes   |
|--|----------|------|-------|------|----------|-------------|---|
| 12.3. Bioaccumulative potential:         |          |      |       |      |          |             | A notable biological accumulation potential is not to be expected (LogPow 1-3). |
| 12.1. Toxicity to fish:                  | LC50     | 96h  | 27,98 | mg/l |          |             |   |
| 12.1. Toxicity to algae:                 | EC50     | 96h  | 7,71  | mg/l |          |             |   |
| 12.2. Persistence and degradability:     |          |      |       |      |          |             | Readily biodegradable   |
| 12.5. Results of PBT and vPvB assessment |          |      |       |      |          |             | No PBT substance, No vPvB substance   |

**Propane**

| Toxicity / effect                | Endpoint | Time | Value | Unit | Organism | Test method | Notes   |
|----------------------------------|----------|------|-------|------|----------|-------------|---|
| 12.3. Bioaccumulative potential: | Log Pow  |      | 2,28  |      |          |             | A notable biological accumulation potential is not to be expected (LogPow 1-3). |

Page 11 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

|  |  |  |  |  |  |                                     |
|--|--|--|--|--|--|-------------------------------------|
| 12.5. Results of PBT and vPvB assessment |  |  |  |  |  | No PBT substance, No vPvB substance |
|--|--|--|--|--|--|-------------------------------------|

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**For the substance / mixture / residual amounts**

EC disposal code no.:  
 The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)  
 16 05 04 gases in pressure containers (including halons) containing hazardous substances  
 Recommendation:  
 Sewage disposal shall be discouraged.  
 Pay attention to local and national official regulations.  
 Take full aerosol cans to problem waste collection.  
 Take emptied aerosol cans to valuable material collection.

**For contaminated packing material**

Pay attention to local and national official regulations.  
 15 01 04 metallic packaging  
 15 01 10 packaging containing residues of or contaminated by hazardous substances  
 Recycling  
 Do not perforate, cut up or weld uncleaned container.

**SECTION 14: Transport information**

**General statements**

14.1. UN number or ID number: 1950

**Transport by road/by rail (ADR/RID)**

14.2. UN proper shipping name:  
 UN 1950 AEROSOLS  
 14.3. Transport hazard class(es): 2.1  
 14.4. Packing group: -  
 Classification code: 5F  
 LQ: 1 L  
 14.5. Environmental hazards: Not applicable  
 Tunnel restriction code: D



**Transport by sea (IMDG-code)**

14.2. UN proper shipping name:  
 AEROSOLS  
 14.3. Transport hazard class(es): 2.1  
 14.4. Packing group: -  
 EmS: F-D, S-U  
 Marine Pollutant: n.a.  
 14.5. Environmental hazards: Not applicable



**Transport by air (IATA)**

14.2. UN proper shipping name:  
 Aerosols, flammable  
 14.3. Transport hazard class(es): 2.1  
 14.4. Packing group: -  
 14.5. Environmental hazards: Not applicable



**14.6. Special precautions for user**

Persons employed in transporting dangerous goods must be trained.  
 All persons involved in transporting must observe safety regulations.  
 Precautions must be taken to prevent damage.

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

Freighted as packaged goods rather than in bulk, therefore not applicable.  
 Minimum amount regulations have not been taken into account.

Page 12 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

Danger code and packing code on request.  
 Comply with special provisions.

## SECTION 15: Regulatory information

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

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)!  
 Regulation (EC) No 1907/2006, Annex XVII  
 Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
 Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

| Hazard categories | Notes to Annex I | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements | Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements |
|-------------------|------------------|---|---|
| P3a               | 11.1             | 150 (netto)   | 500 (netto)   |

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC): 98 %

Observe incident regulations.

### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

## SECTION 16: Other information

Revised sections: 1-16  
 Employee training in handling dangerous goods is required.  
 These details refer to the product as it is delivered.  
 Employee instruction/training in handling hazardous materials is required.

### Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

| Classification in accordance with regulation (EC) No. 1272/2008 (CLP) | Evaluation method used                              |
|---|---|
| Skin Irrit. 2, H315   | Classification according to calculation procedure.  |
| Asp. Tox. 1, H304   | Classification according to calculation procedure.  |
| Aquatic Chronic 3, H412   | Classification according to calculation procedure.  |
| Aerosol 1, H222   | Classification according to calculation procedure.  |
| Aerosol 1, H229   | Classification based on the form or physical state. |

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

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.  
 H411 Toxic to aquatic life with long lasting effects.

Skin Irrit. — Skin irritation

Page 13 of 14  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 01.11.2021 / 0012  
 Replacing version dated / version: 22.04.2021 / 0011  
 Valid from: 01.11.2021  
 PDF print date: 01.11.2021  
 Pro-Line PTFE-Pulverspray

Asp. Tox. — Aspiration hazard  
 Aquatic Chronic — Hazardous to the aquatic environment - chronic  
 Aerosol — Aerosols  
 Flam. Liq. — Flammable liquid  
 STOT SE — Specific target organ toxicity - single exposure - narcotic effects

### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.  
 Guidelines for the preparation of safety data sheets as amended (ECHA).  
 Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).  
 Safety data sheets for the constituent substances.  
 ECHA Homepage - Information about chemicals.  
 GESTIS Substance Database (Germany).  
 German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).  
 EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.  
 National Lists of Occupational Exposure Limits for each country as amended.  
 Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to  
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 AOX Adsorbable organic halogen compounds  
 approx. approximately  
 Art., Art. no. Article number  
 ASTM ASTM International (American Society for Testing and Materials)  
 ATE Acute Toxicity Estimate  
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)  
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)  
 BCF Bioconcentration factor  
 BSEF The International Bromine Council  
 bw body weight  
 CAS Chemical Abstracts Service  
 CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)  
 CMR carcinogenic, mutagenic, reproductive toxic  
 DMEL Derived Minimum Effect Level  
 DNEL Derived No Effect Level  
 DOC Dissolved organic carbon  
 dw dry weight  
 e.g. for example (abbreviation of Latin 'exempli gratia'), for instance  
 EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants)  
 EC European Community  
 ECHA European Chemicals Agency  
 ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect  
 EEC European Economic Community  
 EINECS European Inventory of Existing Commercial Chemical Substances  
 ELINCS European List of Notified Chemical Substances  
 EN European Norms  
 EPA United States Environmental Protection Agency (United States of America)  
 ErCx, EuCx, ErLx (x = 10, 50) Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants)  
 etc. et cetera  
 EU European Union  
 EVAL Ethylene-vinyl alcohol copolymer  
 Fax. Fax number  
 gen. general  
 GHS Globally Harmonized System of Classification and Labelling of Chemicals  
 GWP Global warming potential  
 Koc Adsorption coefficient of organic carbon in the soil  
 Kow octanol-water partition coefficient

Page 14 of 14  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 01.11.2021 / 0012  
Replacing version dated / version: 22.04.2021 / 0011  
Valid from: 01.11.2021  
PDF print date: 01.11.2021  
Pro-Line PTFE-Pulverspray

IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC (Code) International Bulk Chemical (Code)  
IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
IUPAC International Union for Pure Applied Chemistry  
LC50 Lethal Concentration to 50 % of a test population  
LD50 Lethal Dose to 50% of a test population (Median Lethal Dose)  
Log K<sub>oc</sub> Logarithm of adsorption coefficient of organic carbon in the soil  
Log K<sub>ow</sub>, Log P<sub>ow</sub> Logarithm of octanol-water partition coefficient  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
NLP No-longer-Polymer  
NOEC, NOEL No Observed Effect Concentration/Level  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PBT persistent, bioaccumulative and toxic  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
ppm parts per million  
PVC Polyvinylchloride  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SVHC Substances of Very High Concern  
Tel. Telephone  
TOC Total organic carbon  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative  
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.