

## SAFETY DATA SHEET

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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VERSION: 1.0

## English Translation Of German SDS

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

## 1.1. Product identifier

Product form : Mixture  
 Trade name : scan' spray lab XL TiO2 free  
 SDS Number :  
 Vaporizer : Aerosol  
 Product use : Professional use

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

## 1.2.1. Relevant identified uses

Function or use category : Coating material for special industrial and commercial applications

## 1.2.2. Uses advised against

Restrictions on use : No additional information available.

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

## Supplier

Dentaco GmbH & Co.KG  
 Max-Keith-Str. 46  
 45136 Essen  
 Deutschland  
 Tel.: + 49 ( 0) 201/ 8098290  
 Fax: + 49 (0) 201/ 80982999  
 Internet: www.dentaco.de ; info@dentaco.de  
 E-Mail: HSE@rle.de

## 1.4. Emergency telephone number

+ 49 ( 0) 201/ 8098290 (Mo. - Fr. 09:00 - 17:00)

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

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

|                              |  |           |  |
|------------------------------|--|-----------|--|
| <b>Physical hazards</b>      | Aerosol, Category 1  | H222;H229 | Extremely flammable aerosol. Pressurised container: May burst if heated. |
| <b>Health hazards</b>        | Aspiration hazard, Category 1  | H304      | May be fatal if swallowed and enters airways.                            |
| <b>Environmental hazards</b> | Hazardous to the aquatic environment —<br>Chronic Hazard, Category 3 | H412      | Harmful to aquatic life with long lasting effects.                       |

Full text of H- and EUH-statements: see section 16

## Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

### Hazard pictograms



Signal word

Danger

Contains

pentane

### Hazard statements

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                       |
| H229 | Pressurised container: May burst if heated.        |
| H304 | May be fatal if swallowed and enters airways.      |
| H412 | Harmful to aquatic life with long lasting effects. |

### Precautionary statements

#### Prevention

|      |  |
|------|--|
| 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.   |
| P273 | Avoid release to the environment.  |

#### Response

|           |  |
|-----------|--|
| P301+P310 | IF SWALLOWED: Immediately call a doctor. |
| P331      | Do NOT induce vomiting.                  |

#### Storage

|           |   |
|-----------|---|
| P405      | Store locked up.  |
| P410+P412 | Protect from sunlight. Do not expose to temperatures exceeding 50 °C. |

#### Disposal

|      |  |
|------|--|
| P501 | Dispose of contents and container to an approved waste disposal plant. |
|------|--|

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Chemical name | CAS- No<br>EC- No<br>Index No<br>RRN                           | %         | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP]                 | Notes            |
|---------------|--|-----------|---|------------------|
| butane        | 106-97-8<br>203-448-7<br>601-004-00-0<br>01-2119474691-32-XXXX | 65 - < 70 | Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280  | (Note C)(Note U) |
| Propane       | 74-98-6<br>200-827-9<br>601-003-00-5<br>01-2119486944-21-XXXX  | 15 - < 20 | Flam. Gas 1A, H220<br>Press. Gas (Comp.), H280  | (Note U)         |
| pentane       | 109-66-0<br>203-692-4<br>601-006-00-1<br>01-2119459286-30-XXXX | 10 - < 14 | Flam. Liq. 1, H224<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 | #<br>(Note C)    |

|         |   |         |  |                                      |
|---------|---|---------|--|--------------------------------------|
| ethanol | 64-17-5<br>200-578-6<br>603-002-00-5<br>01-2119457610-43-XXXX | 1 - < 2 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319 | ( 50 ≤C < 100) Eye Irrit. 2,<br>H319 |
|---------|---|---------|--|--------------------------------------|

Comments : #: substance with a Community workplace exposure limit

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

Note U(table 3.1) : When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Immediately call a POISON CENTER/doctor. Rinse mouth. Do not induce vomiting.

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

Symptoms/effects: : May be fatal if swallowed and enters airways.

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

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical, CO2, dry sand, or alcohol-resistant foam.
- Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

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

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Pressurised container: May burst if heated.
- Reactivity in case of fire : In the event of fire hazardous gases may occur.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Nitrogen oxides.

### 5.3. Advice for firefighters

- Firefighting instructions : Move container from fire area if it can be done without risk. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Wear fire/flame resistant/retardant clothing.
- Other information : Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

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

- General measures : Do not handle until all safety precautions have been read and understood. Eliminate every possible source of ignition. During fire, gases hazardous to health may be formed. Nitrogen oxides. Carbon monoxide. Carbon dioxide.

### 6.1.1. For non-emergency personnel

- Protective equipment : Use personal protective equipment as required. Wear appropriate protective equipment and clothing during clean-up.
- Emergency procedures : Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### 6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS.

## 6.2. Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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

- Methods for cleaning up : Remove all sources of ignition. Keep away from combustible material. Stop the leak.
- Other information : Prevent entry into waterways, sewer, basements or confined areas.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from sources of ignition - No smoking. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Ground/bond container and receiving equipment. Avoid prolonged exposure. Avoid contact with eyes. Observe good industrial hygiene practices. Do not eat, drink or smoke when using this product. Wear appropriate personal protective equipment. Keep only in original container. Avoid release to the environment.

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

- Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep away from ignition sources.
- Incompatible materials : combustible materials. Direct sunlight. Heat sources. Sources of ignition.
- Storage class (LGK, TRGS 510) : LGK 2B - Aerosol dispensers and lighters

## 7.3. Specific end use(s)

Coating material for special industrial and commercial applications.

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

### 8.1.1. National occupational exposure and biological limit values

pentane (109-66-0)

#### EU - Indicative Occupational Exposure Limit (IOEL)

|                      |                                 |
|----------------------|---------------------------------|
| Local name           | Pentane                         |
| IOEL TWA             | 3000 mg/m <sup>3</sup>          |
| IOEL TWA [ppm]       | 1000 ppm                        |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |

#### Germany - Occupational Exposure Limits (TRGS 900)

|                   |                        |
|-------------------|------------------------|
| Local name        | Pentan                 |
| AGW (OEL TWA) [1] | 3000 mg/m <sup>3</sup> |

|                      |                        |
|----------------------|------------------------|
| AGW (OEL TWA) [2]    | 1000 ppm               |
| AGW (OEL C)          | 6000 mg/m <sup>3</sup> |
| AGW (OEL C) [ppm]    | 2000 ppm               |
| Remark               | DFG;EU;Y               |
| Regulatory reference | TRGS900                |

#### ethanol (64-17-5)

##### Germany - Occupational Exposure Limits (TRGS 900)

|                                 |                        |
|---------------------------------|------------------------|
| Local name                      | Ethanol                |
| AGW (OEL TWA) [1]               | 380 mg/m <sup>3</sup>  |
| AGW (OEL TWA) [2]               | 200 ppm                |
| AGW (OEL C)                     | 1920 mg/m <sup>3</sup> |
| AGW (OEL C) [ppm]               | 1000 ppm               |
| Peak exposure limitation factor | 2(II)                  |
| Remark                          | DFG;Y                  |
| Regulatory reference            | TRGS900                |

#### Propane (74-98-6)

##### Germany - Occupational Exposure Limits (TRGS 900)

|                                 |  |
|---------------------------------|--|
| Local name                      | Propan   |
| AGW (OEL TWA) [1]               | 1800 mg/m <sup>3</sup>   |
| AGW (OEL TWA) [2]               | 1000 ppm   |
| AGW (OEL C)                     | 4000 mg/m <sup>3</sup>   |
| AGW (OEL C) [ppm]               | 7200 ppm   |
| Peak exposure limitation factor | 4(II)  |
| Remark                          | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission) |
| Regulatory reference            | TRGS900  |

##### Germany - Occupational Exposure Limits (Generic OEL data)

|   |   |
|---|---|
| DFG-MAK Liste (empfohlene Arbeitsplatzgrenzwerte)<br>Propan (CAS 74-98-6) | 1800 mg/m <sup>3</sup> (8-Stunden); 7200 mg/m <sup>3</sup> (15-Minuten) |
|---|---|

#### butane (106-97-8)

##### Germany - Occupational Exposure Limits (TRGS 900)

|                      |                        |
|----------------------|------------------------|
| Local name           | Butan                  |
| AGW (OEL TWA) [1]    | 2400 mg/m <sup>3</sup> |
| AGW (OEL TWA) [2]    | 1000 ppm               |
| AGW (OEL C)          | 9600 mg/m <sup>3</sup> |
| AGW (OEL C) [ppm]    | 4000 ppm               |
| Remark               | DFG                    |
| Regulatory reference | TRGS900                |

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

##### pentane (109-66-0)

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###### DNEL/DMEL (Workers)

|  |                          |
|--|--------------------------|
| Long-term - systemic effects, dermal     | 432 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 3000 mg/m <sup>3</sup>   |

###### DNEL/DMEL (General population)

|  |                          |
|--|--------------------------|
| Long-term - systemic effects, oral       | 214 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 643 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 214 mg/kg bodyweight/day |

###### PNEC (Water)

|                                      |          |
|--------------------------------------|----------|
| PNEC aqua (freshwater)               | 230 µg/L |
| PNEC aqua (marine water)             | 230 µg/L |
| PNEC aqua (intermittent, freshwater) | 880 µg/L |

###### PNEC (Sediment)

|                              |               |
|------------------------------|---------------|
| PNEC sediment (freshwater)   | 1.2 mg/kg dwt |
| PNEC sediment (marine water) | 1.2 mg/kg dwt |

###### PNEC (Soil)

|           |                |
|-----------|----------------|
| PNEC soil | 0.55 mg/kg dwt |
|-----------|----------------|

###### PNEC (STP)

|                             |           |
|-----------------------------|-----------|
| PNEC sewage treatment plant | 3600 µg/L |
|-----------------------------|-----------|

##### Silicon dioxide (7631-86-9)

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###### DNEL/DMEL (Workers)

|  |                     |
|--|---------------------|
| Long-term - systemic effects, inhalation | 4 mg/m <sup>3</sup> |
|--|---------------------|

##### ethanol (64-17-5)

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###### DNEL/DMEL (Workers)

|  |                          |
|--|--------------------------|
| Long-term - systemic effects, dermal     | 343 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 950 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation    | 1900 mg/m <sup>3</sup>   |

###### DNEL/DMEL (General population)

|  |                          |
|--|--------------------------|
| Long-term - systemic effects, oral       | 87 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation | 114 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal     | 206 mg/kg bodyweight/day |
| Long-term - local effects, inhalation    | 950 mg/m <sup>3</sup>    |

###### PNEC (Water)

|                                      |           |
|--------------------------------------|-----------|
| PNEC aqua (freshwater)               | 0.96 mg/l |
| PNEC aqua (marine water)             | 0.79 mg/l |
| PNEC aqua (intermittent, freshwater) | 2.75 mg/l |

###### PNEC (Sediment)

|                              |               |
|------------------------------|---------------|
| PNEC sediment (freshwater)   | 3.6 mg/kg dwt |
| PNEC sediment (marine water) | 2.9 mg/kg dwt |

###### PNEC (Soil)

|           |                |
|-----------|----------------|
| PNEC soil | 0.63 mg/kg dwt |
|-----------|----------------|

### **PNEC (Oral)**

PNEC oral (secondary poisoning) 380 mg/kg food

### **PNEC (STP)**

PNEC sewage treatment plant 580 mg/l

### **Calcium carbonate (471-34-1)**

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#### **DNEL/DMEL (Workers)**

Long-term - local effects, inhalation 6.36 mg/m<sup>3</sup>

#### **DNEL/DMEL (General population)**

Long-term - systemic effects, oral 6.1 mg/kg bodyweight/day

Long-term - local effects, inhalation 1.06 mg/m<sup>3</sup>

### **PNEC (STP)**

PNEC sewage treatment plant 100 mg/l

### **8.1.5. Control banding**

No additional information available

## **8.2. Exposure controls**

### **8.2.1. Appropriate engineering controls**

#### **Appropriate engineering controls:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

### **8.2.2. Personal protection equipment**

#### **8.2.2.1. Eye and face protection**

##### **Eye protection:**

Wear tight-fitting goggles or face shield

#### **8.2.2.2. Skin protection**

##### **Skin and body protection:**

Wear suitable protective clothing

##### **Hand protection:**

Wear protective gloves

#### **Other skin protection**

##### **Materials for protective clothing:**

Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment

#### **8.2.2.3. Respiratory protection**

##### **Respiratory protection:**

Wear respiratory protection.

#### **8.2.2.4. Thermal hazards**

##### **Thermal hazard protection:**

Wear appropriate thermal protective clothing, when necessary.

### **8.2.3. Environmental exposure controls**

#### **Environmental exposure controls:**

Inform appropriate managerial or supervisory personnel of all environmental releases.

#### **Other information:**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9: Physical and chemical properties

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

|                                  |                                 |
|----------------------------------|---------------------------------|
| Physical state                   | : Gas                           |
| Colour                           | : white.                        |
| Appearance                       | : Aerosol.                      |
| Odour                            | : Characteristic.               |
| Odour threshold                  | : Not available                 |
| Melting point                    | : -188 – -138 °C (1013 hPa)     |
| Freezing point                   | : Not applicable                |
| Boiling point                    | : -42 °C (1013 hPa)             |
| Flammability                     | : Extremely flammable aerosol   |
| Oxidising properties             | : None.                         |
| Explosive limits                 | : Not available                 |
| Lower explosive limit (LEL)      | : 1.5 vol %                     |
| Upper explosive limit (UEL)      | : 10.9 vol %                    |
| Flash point                      | : Aerosol Not applicable        |
| Auto-ignition temperature        | : Not available                 |
| Decomposition temperature        | : Not available                 |
| pH                               | : Not applicable                |
| Viscosity, kinematic             | : Not applicable                |
| Solubility                       | : Not available                 |
| Log Kow                          | : Not available                 |
| Vapour pressure                  | : 2.7 bar (20°C)                |
| Vapour pressure at 50 °C         | : Not available                 |
| Density                          | : 0.54 g/cm <sup>3</sup> (20°C) |
| Relative density                 | : Not applicable                |
| Relative vapour density at 20 °C | : Not available                 |
| Particle size                    | : Not applicable                |
| Particle size distribution       | : Not applicable                |
| Particle shape                   | : Not applicable                |
| Particle aspect ratio            | : Not applicable                |
| Particle aggregation state       | : Not applicable                |
| Particle agglomeration state     | : Not applicable                |
| Particle specific surface area   | : Not applicable                |
| Particle dustiness               | : Not applicable                |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : Not applicable

#### 9.2.2. Other safety characteristics

VOC (EU) : Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong oxidizing agents.



## 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

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

|                                   |  |
|-----------------------------------|--|
| Acute toxicity (oral)             | : Based on available data, the classification criteria are not met |
| Acute toxicity (dermal)           | : Based on available data, the classification criteria are not met |
| Acute toxicity (inhalation)       | : Based on available data, the classification criteria are not met |
| Skin corrosion/irritation         | : Based on available data, the classification criteria are not met |
| Serious eye damage/irritation     | : Based on available data, the classification criteria are not met |
| Respiratory or skin sensitisation | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | : Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Based on available data, the classification criteria are not met |
| Reproductive toxicity             | : Based on available data, the classification criteria are not met |
| STOT-single exposure              | : Based on available data, the classification criteria are not met |

|                                     |  |
|-------------------------------------|--|
| <b>pentane (109-66-0)</b>           |  |
| STOT-single exposure                | May cause drowsiness or dizziness.                                 |
| STOT-repeated exposure              | : Based on available data, the classification criteria are not met |
| Aspiration hazard                   | : May be fatal if swallowed and enters airways.                    |
| <b>scan' spray Lab XL TiO2 free</b> |  |
| Vaporizer                           | Aerosol  |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : Not applicable.

#### 11.2.2. Other information

Potential adverse human health effects and symptoms : Occupational exposure to the substance or mixture may cause adverse effects  
Other information : Not applicable.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### pentane (109-66-0)

Persistence and degradability : Readily biodegradable. (OECD 301F method).  
Biodegradation : 87 %

#### ethanol (64-17-5)

Persistence and degradability : (OECD 301D method). 80 % - 85 % biodegradation.

#### Propane (74-98-6)

Persistence and degradability : Readily biodegradable.

#### butane (106-97-8)

Persistence and degradability : Readily biodegradable.

### 12.3. Bioaccumulative potential

#### pentane (109-66-0)

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|                                     |              |
|-------------------------------------|--------------|
| Bioconcentration factor (BCF REACH) | 171          |
| Log Pow                             | 3.39         |
| Log Kow                             | 3.45 @ 25 °C |

#### ethanol (64-17-5)

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|         |                |
|---------|----------------|
| Log Kow | -0.35 at 20 °C |
|---------|----------------|

#### Propane (74-98-6)

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|         |                          |
|---------|--------------------------|
| Log Pow | 1.09 – 2.8 @ 20 °C, pH 7 |
|---------|--------------------------|

#### butane (106-97-8)

---

|         |                          |
|---------|--------------------------|
| Log Pow | 1.09 – 2.8 @ 20 °C, pH 7 |
|---------|--------------------------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### scan' spray lab XL TiO2 free

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Other adverse effects : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this product

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |  |
|--|--|
| Regional legislation (waste)               | : Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).   |
| Waste treatment methods                    | : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |
| Additional information                     | : Dispose in accordance with all applicable regulations.   |
| European List of Waste (LoW) code          | : 16 05 04* - gases in pressure containers (including halons) containing dangerous substances<br>15 01 10* - packaging containing residues of or contaminated by dangerous substances  |

## SECTION 14: Transport information

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

### 14.1. UN number or ID number

|               |           |
|---------------|-----------|
| UN-No. (ADR)  | : UN 1950 |
| UN-No. (IMDG) | : UN 1950 |
| UN-No. (IATA) | : UN 1950 |
| UN-No. (ADN)  | : UN 1950 |
| UN-No. (RID)  | : UN 1950 |

## 14.2. UN proper shipping name

|                             |                       |
|-----------------------------|-----------------------|
| Proper Shipping Name (ADR)  | : AEROSOLS            |
| Proper Shipping Name (IMDG) | : AEROSOLS            |
| Proper Shipping Name (IATA) | : Aerosols, flammable |
| Proper Shipping Name (ADN)  | : AEROSOLS            |
| Proper Shipping Name (RID)  | : AEROSOLS            |

## 14.3. Transport hazard class(es)

### ADR

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADR) | : 2.1 |
| Danger labels (ADR)              | : 2.1 |

### IMDG

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IMDG) | : 2.1 |
| Danger labels (IMDG)              | : 2.1 |

### IATA

|                                   |       |
|-----------------------------------|-------|
| Transport hazard class(es) (IATA) | : 2.1 |
| Hazard labels (IATA)              | : 2.1 |

### ADN

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (ADN) | : 2.1 |
| Danger labels (ADN)              | : 2.1 |

### RID

|                                  |       |
|----------------------------------|-------|
| Transport hazard class(es) (RID) | : 2.1 |
| Danger labels (RID)              | : 2.1 |

## 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (ADR)  | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |
| Packing group (ADN)  | : Not applicable |
| Packing group (RID)  | : Not applicable |

## 14.5. Environmental hazards

|                               |   |
|-------------------------------|---|
| Dangerous for the environment | : No                                      |
| Marine pollutant              | : No                                      |
| Other information             | : No supplementary information available. |

## 14.6. Special precautions for user

### Overland transport

|                               |                      |
|-------------------------------|----------------------|
| Classification code (ADR)     | : 5F                 |
| Special provisions (ADR)      | : 190, 327, 344, 625 |
| Limited quantities (ADR)      | : 1I                 |
| Packing instructions (ADR)    | : P207, LP02         |
| Tunnel restriction code (ADR) | : D                  |

### Transport by sea

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

### Air transport

|  |         |
|--|---------|
| PCA Excepted quantities (IATA)               | : E0    |
| PCA Limited quantities (IATA)                | : Y203  |
| PCA limited quantity max net quantity (IATA) | : 30kgG |

|                                 |                    |
|---------------------------------|--------------------|
| PCA packing instructions (IATA) | : 203              |
| PCA max net quantity (IATA)     | : 75kg             |
| CAO packing instructions (IATA) | : 203              |
| CAO max net quantity (IATA)     | : 150kg            |
| Special provisions (IATA)       | : A145, A167, A802 |
| ERG code (IATA)                 | : 10L              |

#### Inland waterway transport

|                           |                      |
|---------------------------|----------------------|
| Classification code (ADN) | : 5F                 |
| Special provisions (ADN)  | : 190, 327, 344, 625 |
| Limited quantities (ADN)  | : 1 L                |

#### Rail transport

|                                    |                      |
|------------------------------------|----------------------|
| Classification code (RID)          | : 5F                 |
| Special provisions (RID)           | : 190, 327, 344, 625 |
| Limited quantities (RID)           | : 1L                 |
| Packing instructions (RID)         | : P207, LP02         |
| Hazard identification number (RID) | : 23                 |

### 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-Regulations

##### EU restriction list (REACH Annex XVII)

| Reference code | Applicable on                        |
|----------------|--------------------------------------|
| 3(a)           | pentane ; ethanol                    |
| 3(b)           | pentane ; ethanol                    |
| 3(c)           | pentane                              |
| 40.            | pentane ; ethanol ; Propane ; butane |

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : Not applicable

Other information, restriction and prohibition regulations : Directive 92/85/EEC on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding as amended. Directive 94/33/EC on the protection of young people at work, as amended. Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended. For details, refer to section 3 and 8.

##### Directive 2012/18/EU (SEVESO III)

Seveso Additional information : P3a

#### 15.1.2. National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)  
Observe restrictions according Prohibition of Chemicals Ordinance (ChemVerbotsV)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Listed in the 12. BImSchV (Annex I) under: 1.2.3.1  
- Quantity threshold for operational area under § 1 para. 1  
- Sentence 1 :150000 kg  
- Sentence 2 :500000 kg

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Indication of changes:

None.

### Full text of H- and EUH-statements

|                    |  |
|--------------------|--|
| Aerosol 1          | Aerosol, Category 1  |
| Aquatic Chronic 2  | Hazardous to the aquatic environment — Chronic Hazard, Category 2      |
| Aquatic Chronic 3  | Hazardous to the aquatic environment — Chronic Hazard, Category 3      |
| Asp. Tox. 1        | Aspiration hazard, Category 1  |
| Eye Irrit. 2       | Serious eye damage/eye irritation, Category 2                          |
| Flam. Gas 1A       | Flammable gases, Category 1A   |
| Flam. Liq. 1       | Flammable liquids, Category 1  |
| Flam. Liq. 2       | Flammable liquids, Category 2  |
| H220               | Extremely flammable gas.   |
| H222               | Extremely flammable aerosol.   |
| H224               | Extremely flammable liquid and vapour.                                 |
| H225               | Highly flammable liquid and vapour.                                    |
| H229               | Pressurised container: May burst if heated.                            |
| H280               | Contains gas under pressure; may explode if heated.                    |
| H304               | May be fatal if swallowed and enters airways.                          |
| H319               | Causes serious eye irritation.   |
| H336               | May cause drowsiness or dizziness.                                     |
| H411               | Toxic to aquatic life with long lasting effects.                       |
| H412               | Harmful to aquatic life with long lasting effects.                     |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas                                  |
| STOT SE 3          | Specific target organ toxicity — Single exposure, Category 3, Narcosis |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

|                   |           |                           |
|-------------------|-----------|---------------------------|
| Aerosol 1         | H222;H229 | On the basis of test data |
| Asp. Tox. 1       | H304      | Expert judgment           |
| Aquatic Chronic 3 | H412      | Calculation method        |

*The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.*