

# PE100

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
First edition: 15/05/1997 Last revision: 8/05/2023 Supersedes version of: 21/12/2022 Version: 20.0

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

#### 1.1. Product identifier

Product form : Mixture  
Name : PE100  
Product number : 03.1104.9999

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

##### Relevant identified uses

Main use category : Industrial use, Professional use  
Use of the substance or preparation : Protects plastic, keeps rubber supple and protects against penetrating moisture if applied to electronics (modules and plugs).

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

PCS Innotec International NV  
Schans 4  
BE - 2480 Dessel  
T.: +32 (0) 14 32 60 01  
F.: +32 (0) 14 32 60 12  
hse@innotec.eu

#### 1.4. Emergency telephone number

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) no 1272/2008 (CLP)

Aerosol 1 H222;H229  
STOT SE 3 H336  
Asp. Tox. 1 H304  
Aquatic Chronic 2 H411

Full text of hazard classes, 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 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS09

Signal word (CLP) :

Danger

Contains :

Propan-2-ol; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics; Pentane

Hazard statements (CLP) :

H222 - Extremely flammable aerosol.  
H229 - Pressurised container: May burst if heated.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) :

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.  
P261 - Avoid breathing spray.  
P273 - Avoid release to the environment.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

EUH-statements :

EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH208 - Contains (R)-p-Mentha-1,8-diene. May produce an allergic reaction.

Extra phrases :

Without adequate ventilation formation of explosive mixtures may be possible.

#### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

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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 substance(s) are 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

| Name   | Product identifier   | %          | Classification according to Regulation (EC) no 1272/2008 (CLP)   |
|--|--|------------|--|
| Pentane  | CAS number: 109-66-0<br>EINECS / ELINCS number: 203-692-4<br>EC Index-No.: 601-006-00-1<br>REACH-no: 01-2119459286-30  | 50 – 75    | Flam. Liq. 2, H225<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411  |
| Propan-2-ol  | CAS number: 67-63-0<br>EINECS / ELINCS number: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-25   | 2,5 – 10   | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336  |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (Note P) | CAS number: 64742-48-9<br>EINECS / ELINCS number: 919-857-5<br>REACH-no: 01-2119463258-33                              | 2,5 – 10   | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>Asp. Tox. 1, H304   |
| Carbon dioxide   | CAS number: 124-38-9<br>EINECS / ELINCS number: 204-696-9  | 2,5 – 10   | Press. Gas (Comp.), H280   |
| (R)-p-Mentha-1,8-diene   | CAS number: 5989-27-5<br>EINECS / ELINCS number: 227-813-5<br>EC Index-No.: 601-096-00-2<br>REACH-no: 01-2119529223-47 | 0,1 – 0,25 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Note P: Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                |  |
|----------------|--|
| General advice | : Get medical advice/attention if you feel unwell.   |
| Inhalation     | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.                  |
| Skin contact   | : The product is not considered to be irritating to the skin.  |
| Eye contact    | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| Ingestion      | : Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.  |

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

|                  |   |
|------------------|---|
| Symptoms/effects | : May produce an allergic reaction.                     |
| Inhalation       | : May cause drowsiness or dizziness.                    |
| Skin contact     | : Repeated exposure may cause skin dryness or cracking. |

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Dry powder. Water spray. Carbon dioxide. Alcohol resistant foam. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                 |

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

- Fire hazard : Extremely flammable aerosol.  
Explosion hazard : May form flammable/explosive vapour-air mixture.

### 5.3. Advice for firefighters

- Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

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

- General measures : Wear suitable protective clothing.

#### For non-emergency personnel

- Protective equipment : Refer to protective measures listed in Sections 7 and 8.  
Emergency procedures : Evacuate unnecessary personnel.

#### For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with water.  
Other information : Provide adequate ventilation.

### 6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal/elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Do not pierce or burn, even after use. In use, may form flammable vapour-air mixture. Do not spray on a naked flame or any incandescent material. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C.  
Precautions for safe handling : Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.  
Storage conditions : Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C. Keep in fireproof place. Smoking is forbidden. Store in a dry place. Keep away from ignition sources.  
Technical condition(s) : Store in a well-ventilated place. The floor of the depot should be impermeable and designed to form a water-tight basin.  
Special rules on packaging : Store in a closed container. Keep only in original container. Store under dry conditions.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| Propan-2-ol (67-63-0)                         |                        |
|---|------------------------|
| United Kingdom - Occupational Exposure Limits |                        |
| Local name                                    | Propan-2-ol            |
| WEL TWA (OEL TWA)                             | 999 mg/m <sup>3</sup>  |
|   | 400 ppm                |
| WEL STEL (OEL STEL)                           | 1250 mg/m <sup>3</sup> |

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|  |                                       |
|--|---------------------------------------|
| <b>Propan-2-ol (67-63-0)</b>   |                                       |
|  | 500 ppm                               |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE |
| <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9)</b> |                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>                                  |                                       |
| Local name   | White spirit Type 3                   |
| IOEL TWA   | 116 mg/m <sup>3</sup>                 |
|  | 20 ppm                                |
| IOEL STEL  | 290 mg/m <sup>3</sup>                 |
|  | 50 ppm                                |
| Remark   | Skin. (Year of adoption 2007)         |
| Regulatory reference   | SCOEL Recommendations                 |
| <b>Carbon dioxide (124-38-9)</b>   |                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>                                  |                                       |
| Local name   | Carbon dioxide                        |
| IOEL TWA   | 9000 mg/m <sup>3</sup>                |
|  | 5000 ppm                              |
| Regulatory reference   | COMMISSION DIRECTIVE 2006/15/EC       |
| <b>United Kingdom - Occupational Exposure Limits</b>                                       |                                       |
| Local name   | Carbon dioxide                        |
| WEL TWA (OEL TWA)  | 9150 mg/m <sup>3</sup>                |
|  | 5000 ppm                              |
| WEL STEL (OEL STEL)  | 27400 mg/m <sup>3</sup>               |
|  | 15000 ppm                             |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE |
| <b>Pentane (109-66-0)</b>  |                                       |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>                                  |                                       |
| Local name   | Pentane                               |
| IOEL TWA   | 3000 mg/m <sup>3</sup>                |
|  | 1000 ppm                              |
| Regulatory reference   | COMMISSION DIRECTIVE 2006/15/EC       |
| <b>United Kingdom - Occupational Exposure Limits</b>                                       |                                       |
| Local name   | Pentane                               |
| WEL TWA (OEL TWA)  | 1800 mg/m <sup>3</sup>                |
|  | 600 ppm                               |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE |
| <b>DNEL and PNEC</b>   |                                       |
| <b>Propan-2-ol (67-63-0)</b>   |                                       |
| <b>DNEL/DMEL (Workers)</b>   |                                       |
| Long-term - systemic effects, dermal   | 888 mg/kg bodyweight/day              |
| Long-term - systemic effects, inhalation   | 500 mg/m <sup>3</sup>                 |
| <b>DNEL/DMEL (General population)</b>  |                                       |
| Long-term - systemic effects, oral   | 26 mg/kg bodyweight/day               |
| Long-term - systemic effects, inhalation   | 89 mg/m <sup>3</sup>                  |

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| Propan-2-ol (67-63-0)  |                          |
|--|--------------------------|
| Long-term - systemic effects, dermal   | 319 mg/kg bodyweight/day |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) |                          |
| DNEL/DMEL (Workers)  |                          |
| Long-term - systemic effects, dermal   | 208 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation   | 871 mg/m <sup>3</sup>    |
| DNEL/DMEL (General population)   |                          |
| Long-term - systemic effects, oral   | 125 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation   | 185 mg/m <sup>3</sup>    |
| Long-term - systemic effects, dermal   | 125 mg/kg bodyweight/day |

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

In case of inadequate ventilation wear respiratory protection. Gloves. Safety glasses.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Wear security glasses which protect from splashes. ISO 16321-1

#### Skin protection

##### Skin protection:

Wear suitable protective clothing. EN 13034

#### Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

#### Respiratory protection

##### Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

## SECTION 9: Physical and chemical properties

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

|                             |                   |
|-----------------------------|-------------------|
| Physical state              | : Liquid          |
| Colour                      | : clear.          |
| Appearance                  | : Aerosol.        |
| Odour                       | : characteristic. |
| Odour threshold             | : Not available   |
| Melting point/melting range | : Not available   |
| Freezing point              | : Not available   |

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|   |  |
|---|--|
| Boiling point/range                             | : Not applicable, since the product is an aerosol. |
| Flammability                                    | : Not available                                    |
| Lower explosion limit                           | : Not available                                    |
| Upper explosion limit                           | : Not available                                    |
| Flash point                                     | : Not applicable, since the product is an aerosol. |
| Auto-ignition temperature                       | : Not self-igniting                                |
| Decomposition temperature                       | : Not available                                    |
| pH  | : Not available                                    |
| Viscosity, kinematic                            | : ≤ 20,5 mm <sup>2</sup> /s 40 °C                  |
| Solubility                                      | : Water: Practically not miscible                  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                    |
| Vapour pressure                                 | : 3000 hPa (20 °C)                                 |
| Vapour pressure at 20 °C                        | : Not available                                    |
| Density   | : Not available                                    |
| Relative density (water = 1)                    | : 0,669  |
| Vapour density                                  | : Not available                                    |
| Particle characteristics                        | : Not applicable                                   |

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosion limits : 0,6 – 12 vol %

#### Other safety characteristics

V.O.C. (V.O.S.) : 532 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### Propan-2-ol (67-63-0)

|                     |                              |
|---------------------|------------------------------|
| LD50/oral/rat       | 5840 mg/kg                   |
| LD50/dermal/rabbit  | 13900 mg/kg                  |
| LC50 inhalation rat | 25000 mg/m <sup>3</sup> (6h) |

#### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9)

|                        |                        |
|------------------------|------------------------|
| LD50/oral/rat          | > 5000 mg/kg           |
| LD50/dermal/rabbit     | > 5000 mg/kg           |
| LC50/inhalation/4h/rat | 4951 mg/m <sup>3</sup> |

#### Pentane (109-66-0)

|                    |              |
|--------------------|--------------|
| LD50/oral/rat      | > 5000 mg/kg |
| LD50 dermal rat    | > 2500 mg/kg |
| LD50/dermal/rabbit | > 5000 mg/kg |

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| Pentane (109-66-0)                |                                      |
|-----------------------------------|--------------------------------------|
| LC50/inhalation/4h/rat            | 25,3 mg/m <sup>3</sup>               |
| Skin corrosion/irritation         | : Not classified                     |
| Serious eye damage/irritation     | : Not classified                     |
| Respiratory or skin sensitisation | : Not classified                     |
| Germ cell mutagenicity            | : Not classified                     |
| Carcinogenicity                   | : Not classified                     |
| Reproductive toxicity             | : Not classified                     |
| STOT-single exposure              | : May cause drowsiness or dizziness. |

| Propan-2-ol (67-63-0) |                                    |
|-----------------------|------------------------------------|
| STOT-single exposure  | May cause drowsiness or dizziness. |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) |                                    |
|--|------------------------------------|
| STOT-single exposure   | May cause drowsiness or dizziness. |

| Pentane (109-66-0)     |   |
|------------------------|---|
| STOT-single exposure   | May cause drowsiness or dizziness.              |
| STOT-repeated exposure | : Not classified                                |
| Aspiration hazard      | : May be fatal if swallowed and enters airways. |

| PE100                |                                 |
|----------------------|---------------------------------|
| Viscosity, kinematic | ≤ 20,5 mm <sup>2</sup> /s 40 °C |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

| Propan-2-ol (67-63-0)              |                                 |
|------------------------------------|---------------------------------|
| LC50/96h/fish                      | 9640 mg/l (Pimephales promelas) |
| LC50 - Other aquatic organisms [1] | 9714 mg/l (24h, Daphnia magna)  |
| LOEC (chronic)                     | 1000 mg/l (8 days, Algae)       |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) |   |
|--|---|
| LC50/96h/fish  | > 1000 mg/l (Oncorhynchus mykiss)                   |
| EC50 - Other aquatic organisms [1]   | > 1000 mg/l (Pseudokirchneriella subcapitata, 72 h) |
| NOEC chronic algae   | 100 mg/l (72h, Pseudokirchneriella subcapitata)     |

| Pentane (109-66-0)     |             |
|------------------------|-------------|
| LC50/96h/fish          | 1 – 10 mg/l |
| EC50/48h/daphnia magna | 9,7 mg/l    |

### 12.2. Persistence and degradability

| PE100                         |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| Propan-2-ol (67-63-0)         |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |

| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-48-9) |                    |
|--|--------------------|
| Persistence and degradability  | Rapidly degradable |

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|  |   |
|--|---|
| <b>Carbon dioxide (124-38-9)</b>   |   |
| Persistence and degradability  | Rapidly degradable  |
| <b>Pentane (109-66-0)</b>  |   |
| Persistence and degradability  | Rapidly degradable  |
| <b>(R)-p-Mentha-1,8-diene (5989-27-5)</b>  |   |
| Persistence and degradability  | Rapidly degradable  |
| <b>12.3. Bioaccumulative potential</b>   |   |
| No additional information available  |   |
| <b>12.4. Mobility in soil</b>  |   |
| No additional information available  |   |
| <b>12.5. Results of PBT and vPvB assessment</b>  |   |
| No additional information available  |   |
| <b>12.6. Endocrine disrupting properties</b>   |   |
| No additional information available  |   |
| <b>12.7. Other adverse effects</b>   |   |
| Other adverse effects : Toxic to fish.   |   |
| <b>PE100</b>   |   |
| General information(s)   | Avoid release to the environment,Also poisonous for fish and plankton in water bodies,Toxic to aquatic organisms  |
| <b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics (64742-48-9)</b> |   |
| General information(s)   | Voor dit product zijn de ecotoxicologische gegevens slechts gedeeltelijk bekend. De informatie is gebaseerd op kennis van de componenten en de ecotoxicologie van soortgelijke producten. |

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|   |  |
|---|--|
| Regional waste regulation                 | : Disposal must be done according to official regulations.                         |
| Waste / unused products                   | : Avoid release to the environment. Should not be landfilled with household waste. |
| European List of Waste (LoW, EC 2000/532) | : 13 08 99* - wastes not otherwise specified<br>15 01 04 - metallic packaging      |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number or ID number

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

### 14.2. UN proper shipping name

|  |   |
|--|---|
| Proper Shipping Name (ADR)                 | : AEROSOLS, flammable                   |
| Proper Shipping Name (IMDG)                | : AEROSOLS                              |
| Proper Shipping Name (IATA)                | : Aerosols, flammable                   |
| Transport document description (ADR) (ADR) | : UN 1950 AEROSOLS, flammable, 2.1, (D) |
| Transport document description (IMDG)      | : UN 1950 AEROSOLS, 2                   |
| Transport document description (IATA)      | : UN 1950 Aerosols, flammable, 2.1      |

### 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 |
|-----------------------------------|-------|



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Danger labels (IMDG) : 2.1



### IATA

Transport hazard class(es) (IATA) : 2.1

Danger labels (IATA) : 2.1



### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids  $\leq$  5 litres or net mass of solids  $\leq$  5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids  $\leq$  5 litres or net mass of solids  $\leq$  5 kg))

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Further information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : 5F

Limited quantities (ADR) : 1I

Transport category (ADR) : 2

Tunnel restriction code : D

#### Transport by sea

Limited quantities (IMDG) : 1 L

#### Air transport

No data available

### 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

#### EU Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

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### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### VOC Directive (2004/42)

V.O.C. (V.O.S.) : 532 g/l

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### National regulations

#### Germany

| Air Quality Control (TA Luft) |       |               |            |                |                         |
|-------------------------------|-------|---------------|------------|----------------|-------------------------|
| Category                      | Class | Applicable on | Local name | Max. mass flow | Max. mass concentration |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Indication of changes |  |                 |
|-----------------------|--|-----------------|
| Section               | Changed item                           | Comments        |
|                       | Last revision                          | <b>Modified</b> |
|                       | Supersedes                             | <b>Modified</b> |
| 3                     | Composition/information on ingredients | <b>Modified</b> |
| 7.2                   | Special rules on packaging             | <b>Modified</b> |
| 9.1                   | Solubility in ethanol                  | <b>Added</b>    |
| 9.1                   | Viscosity, kinematic                   | <b>Added</b>    |
| 9.1                   | Relative evaporation rate (ether=1)    | <b>Added</b>    |
| 9.1                   | pH                                     | <b>Added</b>    |

### Abbreviations and acronyms:

|  |   |
|--|---|
|  | ACGIH = American Conference of Governmental Industrial Hygienists   |
|  | ADR = Accord européen sur le transport des marchandises dangereuses par Route                                     |
|  | ATE = Acute Toxicity Estimate   |
|  | CAS = Chemical Abstracts Service  |
|  | CLP = Classification, labelling and packaging   |
|  | CSR = Chemical Safety Report  |
|  | DMEL = Derived Minimal Effect Level   |
|  | DNEL = Derived No-Effect Level  |
|  | DPD = Dangerous Preparation Directive   |
|  | DSD = Dangerous Substance Directive   |
|  | EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances. |
|  | GHS = Globally Harmonized System of Classification and Labelling of Chemicals                                     |
|  | HTP = Haitallisiksi tunnetut pitoisuudet  |
|  | IATA = International Air Transport Association  |
|  | ICAO = International Civil Aviation Organization  |

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| Abbreviations and acronyms: |   |
|-----------------------------|---|
|                             | IMDG = International Maritime Code for Dangerous Goods  |
|                             | IOELV = Indicative Occupational Exposure Limit Value (EU)   |
|                             | LC50 = Lethal concentration, 50 percent   |
|                             | LD50 = Lethal dose, 50 percent  |
|                             | LEL = Lower Explosion Limit   |
|                             | MAK = Maximale Arbeitsplatzkonzentrationen  |
|                             | MAL-kode = Måleteknisk Arbejdshygienisk Luftbehov   |
|                             | N.O.S. = Not Otherwise Specified  |
|                             | NDS = Najwyższe Dopuszczalne Stężenie   |
|                             | NDSch = Najwyższe Dopuszczalne Stężenie Chwilowe  |
|                             | OEL = Occupational Exposure Limits  |
|                             | PBT = Persistent, bioaccumulative and toxic   |
|                             | PNEC = Predicted No-Effect Concentration  |
|                             | REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  |
|                             | RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail). |
|                             | STEL = Short term exposure limit  |
|                             | STOT RE = specific target organ toxicity repeated exposure  |
|                             | STOT SE = specific target organ toxicity single exposure  |
|                             | SVHC = Substance of Very High Concern   |
|                             | TLV = Threshold Limit Value   |
|                             | TRGS = Technischen Regeln für Gefahrstoffe  |
|                             | TWA = time weighted average   |
|                             | UEL = Upper Explosion Limit   |
|                             | VLA-EC = valores límite ambientales para la exposición de corta duración  |
|                             | VLA-ED = valores límite ambientales para la exposición diaria   |
|                             | VLE = Valeur Limite d'exposition  |
|                             | VME = Valeur Limite de Moyenne d'exposition   |
|                             | VOC = Volatile Organic Compounds  |
|                             | vPvB = very Persistent and very Bioaccumulative   |
|                             | WGK = Wassergefährdungsklasse   |

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Aerosol 1                           | Aerosol, Category 1   |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2                   | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                     |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                     |
| Press. Gas (Comp.)                  | Gases under pressure : Compressed gas                             |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |

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| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H222                                | Extremely flammable aerosol.   |
| H225                                | Highly flammable liquid and vapour.                                    |
| H226                                | 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.                          |
| H315                                | Causes skin irritation.  |
| H317                                | May cause an allergic skin reaction.                                   |
| H319                                | Causes serious eye irritation.   |
| H336                                | May cause drowsiness or dizziness.                                     |
| H400                                | Very toxic to aquatic life.  |
| H410                                | Very toxic to aquatic life with long lasting effects.                  |
| H411                                | Toxic to aquatic life with long lasting effects.                       |
| EUH066                              | Repeated exposure may cause skin dryness or cracking.                  |
| EUH208                              | Contains (R)-p-Mentha-1,8-diene. May produce an allergic reaction.     |

SDS PCS Innotec 2024

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.