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

### 1.1. Product identifier

| | | |
|---|---|---|
| Product form | : | Mixture |
| Product name | : | DFS300 DFO Pump Spray |
| Product code | : | DFS300 |
| Product group | : | Trade product |

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

#### 1.2.1. Relevant identified uses

| | | |
|---|---|---|
| Industrial/Professional use spec | : | Industrial<br>For professional use only |
| Use of the substance/mixture | : | Latent fingerprint developer |

#### 1.2.2. Uses advised against

No additional information available

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

SIRCHIE
100 Hunter Place
27596 Youngsville, NC - USA
T 919-554-2244; 800-356-7311 - F 919-554-2266; 800-899-8181
http://www.sirchie.com

### 1.4. Emergency telephone number

| | | |
|---|---|---|
| Emergency number | : | 1.800.424.9300 (USA) +1-703-527-3887 (INTL)<br>CHEMTREC: 1.800.424.9300 |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

| | |
|---|---|
| Flammable liquids Category 2 | H225 |
| Acute toxicity (oral) Category 4 | H302 |
| Acute toxicity (inhalation:dust,mist) Category 4 | H332 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Germ cell mutagenicity Category 1B | H340 |
| Carcinogenicity Category 1B | H350 |
| Specific target organ toxicity — Single exposure, Category 1 | H370 |

Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

No additional information available

### 2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08

| | | |
|---|---|---|
| Signal word (CLP) | : | Danger |
| Contains | : | methanol; solvent naphtha(petroleum),light aliphatic |

| | | |
|---|---|---|
| Hazard statements (CLP) | : | H225 - Highly flammable liquid and vapor.<br>H302+H332 - Harmful if swallowed or if inhaled.<br>H319 - Causes serious eye irritation.<br>H340 - May cause genetic defects.<br>H350 - May cause cancer.<br>H370 - Causes damage to organs. |
| Precautionary statements (CLP) | : | P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 - Keep container tightly closed.<br>P240 - Ground and bond container and receiving equipment.<br>P241 - Use explosion-proof electrical/ventilating/lighting equipment.<br>P260 - Do not breathe dust/fume/gas/mist/vapors/spray.<br>P264 - Wash hands, forearms and face thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.<br>P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P311 - If exposed or concerned: Call a POISON CENTER or doctor.<br>P308+P313 - IF exposed or concerned: Get medical advice/attention.<br>P312 - Call a POISON CENTER or doctor if you feel unwell.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P330 - Rinse mouth.<br>P337+P313 - If eye irritation persists: Get medical advice/attention.<br>P363 - Wash contaminated clothing before reuse.<br>P370+P378 - In case of fire: Use media other than water to extinguish.<br>P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| solvent naphtha(petroleum),light aliphatic | (CAS-No.) 64742-89-8<br>(EC-No.) 265-192-2<br>(EC Index-No.) 649-267-00-0 | 77.9 | Muta. 1B, H340<br>Carc. 1B, H350<br>Asp. Tox. 1, H304 |
| ethyl acetate | (CAS-No.) 141-78-6<br>(EC-No.) 205-500-4<br>(EC Index-No.) 607-022-00-5 | 10 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

| | | | |
|---|---|---|---|
| methanol | (CAS-No.) 67-56-1<br>(EC-No.) 200-659-6<br>(EC Index-No.) 603-001-00-X | 10 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>STOT SE 1, H370 |
| acetic acid | (CAS-No.) 64-19-7<br>(EC-No.) 200-580-7<br>(EC Index-No.) 607-002-00-6 | 2 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation:vapour), H332<br>Skin Corr. 1A, H314 |
| 1,8-Diazafluorene-9-one | (CAS-No.) 54078-29-4 | < 1 | Not classified |

| Specific concentration limits: | | |
|---|---|---|
| **Name** | **Product identifier** | **Specific concentration limits** |
| methanol | (CAS-No.) 67-56-1<br>(EC-No.) 200-659-6<br>(EC Index-No.) 603-001-00-X | ( 3 ≤C < 10) STOT SE 2, H371<br>( 10 ≤C < 100) STOT SE 1, H370 |
| acetic acid | (CAS-No.) 64-19-7<br>(EC-No.) 200-580-7<br>(EC Index-No.) 607-002-00-6 | ( 10 ≤C < 25) Eye Irrit. 2, H319<br>( 10 ≤C < 25) Skin Irrit. 2, H315<br>( 25 ≤C < 90) Skin Corr. 1B, H314<br>( 90 ≤C < 100) Skin Corr. 1A, H314 |

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 : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

### 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 chemical powder. Dry sand. Foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Reactivity in case of fire : No data available.

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

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 : No flames, no sparks. Eliminate all sources of ignition.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. 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. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products : Strong bases.
Incompatible materials : Heat sources. Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| acetic acid (64-19-7) | |
|---|---|
| **EU - Occupational Exposure Limits** | |
| IOELV TWA (mg/m³) | 25 mg/m³ |
| IOELV TWA (ppm) | 10 ppm |
| IOELV STEL (mg/m³) | 50 mg/m³ |
| IOELV STEL (ppm) | 20 ppm |
| **Belgium - Occupational Exposure Limits** | |
| Limit value [mg/m³] | 25 mg/m³ |
| Limit value [ppm] | 10 ppm |
| Short time value [mg/m³] | 38 mg/m³ |

| acetic acid (64-19-7) | |
|---|---|
| Short time value [ppm] | 15 ppm |
| **France - Occupational Exposure Limits** | |
| VME [mg/m³] | 25 mg/m³ |
| VME [ppm] | 10 ppm |
| VLE [mg/m³] | 50 mg/m³ |
| VLE [ppm] | 20 ppm |
| **Netherlands - Occupational Exposure Limits** | |
| Grenswaarde TGG 8H (mg/m³) | 25 mg/m³ |
| Grenswaarde TGG 8H (ppm) | 10 ppm |
| Grenswaarde TGG 15MIN (mg/m³) | 50 mg/m³ |
| Grenswaarde TGG 15MIN (ppm) | 20 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (mg/m³) | 25 mg/m³ |
| WEL TWA (ppm) | 10 ppm |
| WEL STEL (mg/m³) | 50 mg/m³ |
| WEL STEL (OEL STEL) [ppm] | 20 ppm |
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH TWA (ppm) | 10 ppm |
| ACGIH STEL (ppm) | 15 ppm |

| ethyl acetate (141-78-6) | |
|---|---|
| **EU - Occupational Exposure Limits** | |
| IOELV TWA (mg/m³) | 734 mg/m³ |
| IOELV TWA (ppm) | 200 ppm |
| IOELV STEL (mg/m³) | 1468 mg/m³ |
| IOELV STEL (ppm) | 400 ppm |
| **Belgium - Occupational Exposure Limits** | |
| Limit value [mg/m³] | 734 mg/m³ |
| Limit value [ppm] | 200 ppm |
| Short time value [mg/m³] | 1468 mg/m³ |
| Short time value [ppm] | 400 ppm |
| **France - Occupational Exposure Limits** | |
| VME [mg/m³] | 734 mg/m³ |
| VME [ppm] | 200 ppm |
| VLE [mg/m³] | 1468 mg/m³ |
| VLE [ppm] | 400 ppm |
| **Netherlands - Occupational Exposure Limits** | |
| Grenswaarde TGG 8H (mg/m³) | 734 mg/m³ |
| Grenswaarde TGG 8H (ppm) | 200 ppm |
| Grenswaarde TGG 15MIN (mg/m³) | 1468 mg/m³ |
| Grenswaarde TGG 15MIN (ppm) | 400 ppm |

| ethyl acetate (141-78-6) | |
|---|---|
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (mg/m³) | 734 mg/m³ |
| WEL TWA (ppm) | 200 ppm |
| WEL STEL (mg/m³) | 1468 mg/m³ |
| WEL STEL (OEL STEL) [ppm] | 400 ppm |
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH TWA (ppm) | 400 ppm |

| methanol (67-56-1) | |
|---|---|
| **EU - Occupational Exposure Limits** | |
| IOELV TWA (mg/m³) | 260 mg/m³ |
| IOELV TWA (ppm) | 200 ppm |
| **Belgium - Occupational Exposure Limits** | |
| Limit value [mg/m³] | 266 mg/m³ |
| Limit value [ppm] | 200 ppm |
| Short time value [mg/m³] | 333 mg/m³ |
| Short time value [ppm] | 250 ppm |
| **France - Occupational Exposure Limits** | |
| VME [mg/m³] | 260 mg/m³ |
| VME [ppm] | 200 ppm |
| VLE [mg/m³] | 1300 mg/m³ |
| VLE [ppm] | 1000 ppm |
| **Netherlands - Occupational Exposure Limits** | |
| Grenswaarde TGG 8H (mg/m³) | 133 mg/m³ |
| Grenswaarde TGG 8H (ppm) | 100 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (mg/m³) | 266 mg/m³ |
| WEL TWA (ppm) | 200 ppm |
| WEL STEL (mg/m³) | 333 mg/m³ |
| WEL STEL (OEL STEL) [ppm] | 250 ppm |
| **USA - ACGIH - Occupational Exposure Limits** | |
| ACGIH TWA (ppm) | 200 ppm |
| ACGIH STEL (ppm) | 250 ppm |

## 8.2. Exposure controls

**Personal protective equipment:**
Gloves. Safety glasses. EN 149. Dust/aerosol mask with filter type P3.

| **Hand protection:** |
|---|
| Wear protective gloves. |

| **Eye protection:** |
| --- |
| Chemical goggles or safety glasses |

| **Respiratory protection:** |
| --- |
| Wear appropriate mask |

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

**Other information:**
Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

| | | |
| --- | --- | --- |
| Physical state | : | Liquid |
| Appearance | : | Yellow liquid. |
| Color | : | Colorless. |
| Odor | : | characteristic. |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Melting point | : | No data available |
| Freezing point | : | No data available |
| Boiling point | : | No data available |
| Flash point | : | No data available |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Non flammable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20 °C | : | No data available |
| Relative density | : | No data available |
| Solubility | : | Poorly soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Viscosity, kinematic | : | No data available |
| Viscosity, dynamic | : | No data available |
| Explosive properties | : | No data available |
| Oxidizing properties | : | No data available |
| Explosion limits | : | No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

| DFS300 DFO Pump Spray | |
|---|---|
| ATE CLP (oral) | 1000 mg/kg body weight |
| ATE CLP (dust, mist) | 5 mg/l/4h |

| acetic acid (64-19-7) | |
|---|---|
| LD50 oral rat | 3310 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 6 day(s)) |
| LC50 Inhalation - Rat | 11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours), 14 day(s)) |

| ethyl acetate (141-78-6) | |
|---|---|
| LD50 oral rat | 10200 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 20000 mg/kg body weight (24 hour cuff method, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |

| methanol (67-56-1) | |
|---|---|
| LD50 oral rat | 1187 – 2769 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, 15-35 % aqueous solution, Oral, 7 day(s)) |
| LD50 dermal rabbit | 17100 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal) |
| LC50 Inhalation - Rat | 128.2 mg/l air (BASF test, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |

Skin corrosion/irritation : Not classified
Additional information : Based on available data, the classification criteria are not met
Serious eye damage/irritation : Causes serious eye irritation.
Additional information : Based on available data, the classification criteria are not met
Respiratory or skin sensitization : Not classified
Additional information : Based on available data, the classification criteria are not met
Germ cell mutagenicity : May cause genetic defects.
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : May cause cancer.
Additional information : Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Additional information : Based on available data, the classification criteria are not met

STOT-single exposure : Causes damage to organs.

Additional information : Based on available data, the classification criteria are not met

STOT-repeated exposure : Not classified
Additional information : Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Additional information : Based on available data, the classification criteria are not met

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## 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) : Not classified

| acetic acid (64-19-7) | |
|---|---|
| LC50 fish 1 | > 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, GLP) |
| EC50 Daphnia 1 | > 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP) |
| ErC50 (algae) | > 1000 mg/l (ISO 10253, 72 h, Skeletonema costatum, Static system, Salt water, Experimental value, Nominal concentration) |

| ethyl acetate (141-78-6) | |
|---|---|
| LC50 fish 1 | 230 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |

| methanol (67-56-1) | |
|---|---|
| LC50 fish 1 | 15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 Daphnia 1 | 18260 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 96h algae (1) | 22000 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate) |

### 12.2. Persistence and degradability

| DFS300 DFO Pump Spray | |
|---|---|
| Persistence and degradability | Not established. |

| acetic acid (64-19-7) | |
|---|---|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.6 – 0.74 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.03 g $O_2$/g substance |
| ThOD | 1.07 g $O_2$/g substance |

| ethyl acetate (141-78-6) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |

| | |
|---|---|
| Biochemical oxygen demand (BOD) | 0.293 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.69 g $O_2$/g substance |
| ThOD | 1.82 g $O_2$/g substance |

| **methanol (67-56-1)** | |
|---|---|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.6 – 1.12 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 1.42 g $O_2$/g substance |
| ThOD | 1.5 g $O_2$/g substance |

### 12.3. Bioaccumulative potential

| **DFS300 DFO Pump Spray** | |
|---|---|
| Bioaccumulative potential | Not established. |

| **acetic acid (64-19-7)** | |
|---|---|
| BCF fish 1 | 3.16 (Pisces, Fresh water, QSAR) |
| Partition coefficient n-octanol/water (Log Pow) | -0.17 (Experimental value, 25 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

| **ethyl acetate (141-78-6)** | |
|---|---|
| BCF fish 1 | 30 (3 day(s), Leuciscus idus, Static renewal, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | 0.68 (Experimental value, EPA OPPTS 830.7560, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

| **methanol (67-56-1)** | |
|---|---|
| BCF fish 1 | 1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value) |
| Partition coefficient n-octanol/water (Log Pow) | -0.77 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

### 12.4. Mobility in soil

| **acetic acid (64-19-7)** | |
|---|---|
| Surface tension | 26 mN/m (30 °C) |
| Partition coefficient n-octanol/water (Log Koc) | 0.062 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation. |

| **ethyl acetate (141-78-6)** | |
|---|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |

| **methanol (67-56-1)** | |
|---|---|
| Surface tension | No data available in the literature |
| Partition coefficient n-octanol/water (Log Koc) | -0.89 – -0.21 (log Koc, Calculated value) |
| Ecology - soil | Highly mobile in soil. |

### 12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| acetic acid (64-19-7) | This substance/mixture does not meet the PBT criteria of REACH, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH, annex XIII |
| ethyl acetate (141-78-6) | This substance/mixture does not meet the PBT criteria of REACH, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH, annex XIII |
| methanol (67-56-1) | This substance/mixture does not meet the PBT criteria of REACH, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH, annex XIII |

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

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

### 14.1. UN number

UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

**ADR**
Transport hazard class(es) (ADR) : Not applicable

**IMDG**
Transport hazard class(es) (IMDG) : Not applicable

**IATA**
Transport hazard class(es) (IATA) : Not applicable

**ADN**
Transport hazard class(es) (ADN) : Not applicable

**RID**
Transport hazard class(es) (RID) : Not applicable

### 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**
Not applicable

**Transport by sea**
Not applicable

**Air transport**
Not applicable

**Inland waterway transport**
Not applicable

**Rail transport**
Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no REACH substances with Annex XVII restrictions
Contains no REACH candidate substance
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(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

**Germany**
Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

**Netherlands**
SZW-lijst van kankerverwekkende stoffen : solvent naphtha(petroleum),light aliphatic is listed
SZW-lijst van mutagene stoffen : solvent naphtha(petroleum),light aliphatic is listed
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

**Denmark**
Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Other information : None.

| **Full text of H- and EUH-phrases:** | |
|---|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhalation) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral) Category 3 |
| Acute Tox. 4 (Inhalation:vapour) | Acute toxicity (inhalation:vapor) Category 4 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Carc. 1B | Carcinogenicity Category 1B |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Muta. 1B | Germ cell mutagenicity Category 1B |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 1 | Specific target organ toxicity — Single exposure, Category 1 |
| STOT SE 2 | Specific target organ toxicity — Single exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H332 | Harmful if inhaled. |
| H336 | May cause drowsiness or dizziness. |
| H340 | May cause genetic defects. |
| H350 | May cause cancer. |
| H370 | Causes damage to organs. |
| H371 | May cause damage to organs. |

SDS EU (REACH Annex II)

The information above is believed to be accurate and represents the best information currently available to us . However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes.