



# NMC-Fix

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
SDS Reference Number: 100001003  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : NMC-Fix

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

##### Relevant identified uses

Intended for general public  
Main use category : Professional use, Consumer use  
Function or use category : Adhesives, binding agents

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

NMC S.A.  
Gert-Noël-Strasse  
4731 Eynatten  
Belgium  
T +32 87 85 85 00, F +32 87 85 85 11  
[info@nmc.eu](mailto:info@nmc.eu)

#### 1.4. Emergency telephone number

| Country/Area | Organisation/Company  | Address                      | Emergency number | Comment  |
|--------------|---|------------------------------|------------------|--|
| Belgium      | Centre Anti-Poisons/Antigifocentrum<br>c/o Hôpital Militaire Reine Astrid | Rue Bruyn 1<br>1120 Brussels | +32 70 245 245   | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |

### 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  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Specific target organ toxicity – Single exposure, Category 3, H336  
Narcosis  
Hazardous to the aquatic environment – Chronic Hazard, H411  
Category 2

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

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

Highly flammable liquid and vapour. May cause drowsiness or dizziness. Causes skin irritation. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

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### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; butanone; cyclohexane; 4-tert-butylphenol formaldehyde resin

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H336 - May cause drowsiness or dizziness.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 - Avoid breathing vapours, spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, eye protection.  
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P501 - Dispose of contents, container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
Extra phrases : This product is not to be used under conditions of poor ventilation.  
This product is not to be used for carpet laying.

### 2.3. Other hazards

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

| Component   |  |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | acetone (67-64-1), butanone (78-93-3), cyclohexane (110-82-7), n-hexane (110-54-3) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | acetone (67-64-1), butanone (78-93-3), cyclohexane (110-82-7), n-hexane (110-54-3) |

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 %

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Name   | Product identifier  | %           | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|-------------|---|
| hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (Note P)   | EC-No.: 921-024-6<br>REACH-no: 01-2119475514-35   | < 50        | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411                                      |
| butanone<br>substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit    | CAS-No.: 78-93-3<br>EC-No.: 201-159-0<br>EC Index-No.: 606-002-00-3<br>REACH-no: 01-2119457290-43 | ≥ 25 – < 50 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |
| acetone<br>substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit     | CAS-No.: 67-64-1<br>EC-No.: 200-662-2<br>EC Index-No.: 606-001-00-8<br>REACH-no: 01-2119471330-49 | ≥ 10 – < 25 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066   |
| cyclohexane<br>substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit | CAS-No.: 110-82-7<br>EC-No.: 203-806-2<br>EC Index-No.: 601-017-00-1                              | < 10        | Flam. Liq. 2, H225<br>Asp. Tox. 1, H304<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410             |
| 4-tert-butylphenol formaldehyde resin  | CAS-No.: 25085-50-1<br>EC-No.: 607-533-3  | ≥ 1 – < 5   | Skin Sens. 1, H317  |
| n-hexane<br>substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit    | CAS-No.: 110-54-3<br>EC-No.: 203-777-6<br>EC Index-No.: 601-037-00-0                              | < 1,5       | Flam. Liq. 2, H225<br>Repr. 2, H361f<br>Asp. Tox. 1, H304<br>STOT RE 2, H373<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Aquatic Chronic 2, H411 |

#### Specific concentration limits:

| Name     | Product identifier   | Specific concentration limits (%) |
|----------|--|-----------------------------------|
| n-hexane | CAS-No.: 110-54-3<br>EC-No.: 203-777-6<br>EC Index-No.: 601-037-00-0 | (5 ≤ C < 100) STOT RE 2; H373     |

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

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a poison center or a doctor if you feel unwell.   |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.   |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Rinse mouth out with water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.   |

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

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects                    | : May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Irritation.                        |
| Symptoms/effects after eye contact  | : Eye irritation.                    |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide.                     |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire. |

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

|  |   |
|--|---|
| Fire hazard                                      | : Highly flammable liquid and vapour.                           |
| Explosion hazard                                 | : Gas/vapour explosive with air within explosion limits.        |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. |

#### 5.3. Advice for firefighters

|                                |  |
|--------------------------------|--|
| Firefighting instructions      | : Cool closed containers exposed to fire with water spray.   |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

### SECTION 6: Accidental release measures

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

|                  |  |
|------------------|--|
| General measures | : Eliminate every possible source of ignition. No open flames. No smoking. |
|------------------|--|

##### For non-emergency personnel

|                      |   |
|----------------------|---|
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. |
|----------------------|---|

##### For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Use grounded electrical/mechanical equipment.   |

#### 6.2. Environmental precautions

Avoid release to the environment.

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

|                 |   |
|-----------------|---|
| For containment | : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). |
|-----------------|---|

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- Methods for cleaning up : Take up liquid spill into absorbent material. Provide for ventilation. Scoop absorbed substance into closing containers.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable. Take precautionary measures against static discharge.
- Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Wear personal protective equipment. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
- Incompatible products : Ignition sources. Heat sources.

### 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

| acetone (67-64-1)   |  |
|---|--|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Acetone                                    |
| IOEL TWA  | 1210 mg/m <sup>3</sup>                     |
|   | 500 ppm                                    |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC            |
| <b>Belgium - Occupational Exposure Limits</b>             |  |
| Local name  | Acétone # Aceton                           |
| OEL TWA   | 594 mg/m <sup>3</sup>                      |
|   | 246 ppm                                    |
| OEL STEL  | 1187 mg/m <sup>3</sup>                     |
|   | 492 ppm                                    |
| Regulatory reference                                      | Koninklijk besluit/Arrêté royal 16/11/2023 |

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| <b>butanone (78-93-3)</b>                                 |  |
|---|--|
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Butanone                                   |
| IOEL TWA  | 600 mg/m <sup>3</sup>                      |
|   | 200 ppm                                    |
| IOEL STEL   | 900 mg/m <sup>3</sup>                      |
|   | 300 ppm                                    |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC            |
| <b>Belgium - Occupational Exposure Limits</b>             |  |
| Local name  | 2-Butanone # 2-Butanon                     |
| OEL TWA   | 600 mg/m <sup>3</sup>                      |
|   | 200 ppm                                    |
| OEL STEL  | 900 mg/m <sup>3</sup>                      |
|   | 300 ppm                                    |
| Regulatory reference                                      | Koninklijk besluit/Arrêté royal 16/11/2023 |
| <b>cyclohexane (110-82-7)</b>                             |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Cyclohexane                                |
| IOEL TWA  | 700 mg/m <sup>3</sup>                      |
|   | 200 ppm                                    |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC            |
| <b>Belgium - Occupational Exposure Limits</b>             |  |
| Local name  | Cyclohexane # Cyclohexaan                  |
| OEL TWA   | 350 mg/m <sup>3</sup>                      |
|   | 100 ppm                                    |
| Regulatory reference                                      | Koninklijk besluit/Arrêté royal 16/11/2023 |
| <b>n-hexane (110-54-3)</b>                                |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | n-Hexane                                   |
| IOEL TWA  | 72 mg/m <sup>3</sup>                       |
|   | 20 ppm                                     |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2006/15/EC            |
| <b>Belgium - Occupational Exposure Limits</b>             |  |
| Local name  | n-Hexane # n-Hexaan                        |
| OEL TWA   | 72 mg/m <sup>3</sup>                       |
|   | 20 ppm                                     |
| Regulatory reference                                      | Koninklijk besluit/Arrêté royal 16/11/2023 |

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### DNEL and PNEC

| <b>acetone (67-64-1)</b>  |                            |
|---|----------------------------|
| <b>DNEL/DMEL (Workers)</b>  |                            |
| Acute - local effects, inhalation   | 2420 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal  | 186 mg/kg bw/day           |
| Long-term - systemic effects, inhalation                                    | 1210 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>                                       |                            |
| Long-term - systemic effects, oral  | 62 mg/kg bw/day            |
| Long-term - systemic effects, inhalation                                    | 200 mg/m <sup>3</sup>      |
| Long-term - systemic effects, dermal  | 62 mg/kg bw/day            |
| <b>PNEC (Water)</b>   |                            |
| PNEC aqua (freshwater)  | 10,6 mg/l                  |
| PNEC aqua (marine water)  | 1,06 mg/l                  |
| PNEC aqua (intermittent, freshwater)  | 21 mg/l                    |
| <b>PNEC (Sediment)</b>  |                            |
| PNEC sediment (freshwater)  | 30,4 mg/kg dwt             |
| PNEC sediment (marine water)  | 3,04 mg/kg dwt             |
| <b>PNEC (Soil)</b>  |                            |
| PNEC soil   | 29,5 mg/kg dwt             |
| <b>PNEC (STP)</b>   |                            |
| PNEC sewage treatment plant   | 100 mg/l                   |
| <b>hydrocarbons, C6, isoalkanes, &lt; 5% n-hexane</b>                       |                            |
| <b>DNEL/DMEL (Workers)</b>  |                            |
| Long-term - systemic effects, dermal  | 13964 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation                                    | 5306 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>                                       |                            |
| Long-term - systemic effects, oral  | 1301 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation                                    | 1131 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal  | 1377 mg/kg bodyweight/day  |
| <b>hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b> |                            |
| <b>DNEL/DMEL (Workers)</b>  |                            |
| Long-term - systemic effects, dermal  | 773 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation                                    | 2035 mg/m <sup>3</sup>     |
| <b>DNEL/DMEL (General population)</b>                                       |                            |
| Long-term - systemic effects, oral  | 699 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation                                    | 608 mg/m <sup>3</sup>      |
| Long-term - systemic effects, dermal  | 699 mg/kg bodyweight/day   |

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| butanone (78-93-3)                       |                       |
|--|-----------------------|
| <b>DNEL/DMEL (Workers)</b>               |                       |
| Acute - systemic effects, inhalation     | 900 mg/m <sup>3</sup> |
| Long-term - systemic effects, dermal     | 1161 mg/kg bw/day     |
| Long-term - systemic effects, inhalation | 600 mg/m <sup>3</sup> |
| <b>DNEL/DMEL (General population)</b>    |                       |
| Acute - systemic effects, inhalation     | 450 mg/m <sup>3</sup> |
| Long-term - systemic effects, oral       | 31 mg/kg bw/day       |
| Long-term - systemic effects, inhalation | 106 mg/m <sup>3</sup> |
| Long-term - systemic effects, dermal     | 412 mg/kg bw/day      |
| <b>PNEC (Water)</b>                      |                       |
| PNEC aqua (intermittent, freshwater)     | 55,8 mg/l             |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Measure concentrations regularly, and at the time of any change occurring in conditions likely to have consequences on workers exposure. No open flames. No smoking. Use spark-/explosionproof appliances and lighting system.

### Personal protection equipment

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



### Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses. ISO 16321-1

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing. Protective clothing (EN 14605 or EN 13034)

#### Hand protection:

Protective gloves against chemicals (EN 374)

### Respiratory protection

#### Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                 |                   |
|-----------------|-------------------|
| Physical state  | : Liquid          |
| Colour          | : Colourless.     |
| Odour           | : characteristic. |
| Odour threshold | : Not available   |
| Melting point   | : Not applicable  |

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|   |   |
|---|---|
| Freezing point                                  | : Not available   |
| Boiling point                                   | : > 35 °C   |
| Flammability                                    | : Not applicable  |
| Lower explosion limit                           | : Not available   |
| Upper explosion limit                           | : Not available   |
| Flash point                                     | : < 20 °C (ISO 2719 A)                                  |
| Auto-ignition temperature                       | : Not available   |
| Decomposition temperature                       | : Not available   |
| pH  | : Not available   |
| Viscosity, kinematic                            | : 312 – 437 mm <sup>2</sup> /s (calculated value, 20°C) |
| Viscosity, dynamic                              | : 250 – 350 mPa·s (EN ISO 2555 20°C)                    |
| Solubility                                      | : Not available   |
| Partition coefficient n-octanol/water (Log Kow) | : Not available   |
| Vapour pressure                                 | : Not available   |
| Vapour pressure at 50°C                         | : Not available   |
| Density   | : 0,8 g/cm <sup>3</sup> (EN ISO 2811-2, 20°C)           |
| Relative density                                | : Not available   |
| Relative vapour density at 20°C                 | : Not available   |
| Particle characteristics                        | : Not applicable  |

### 9.2. Other information

#### Other safety characteristics

VOC content : < 89 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour. This gas is denser than air and may travel along the ground. Distance ignition possible.

### 10.2. Chemical stability

Stable under normal conditions.

### 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

Heat sources. Ignition sources.

### 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)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### acetone (67-64-1)

|                    |  |
|--------------------|--|
| LD50 oral rat      | 5800 mg/kg (Rat, Female, Experimental value, Oral, 14 day(s))                        |
| LD50 dermal rabbit | > 15800 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |

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|   |  |
|---|--|
| <b>acetone (67-64-1)</b>  |  |
| LC50 Inhalation - Rat   | 132 mg/l (3 h, Rat, Male, Experimental value, Inhalation (vapours))  |
| <b>hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b> |  |
| LD50 oral rat   | > 5000 mg/kg   |
| LD50 dermal rat   | > 2000 mg/kg   |
| LC50 Inhalation - Rat   | 5610 mg/m <sup>3</sup>   |
| <b>butanone (78-93-3)</b>   |  |
| LD50 oral rat   | 2193 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male / female, Experimental value, Oral, 14 day(s))             |
| LD50 dermal rabbit  | > 10 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))                      |
| <b>cyclohexane (110-82-7)</b>   |  |
| LD50 oral rat   | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)                      |
| LD50 dermal rabbit  | > 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male / female, Experimental value, Dermal, 14 day(s))      |
| LC50 Inhalation - Rat   | > 32,88 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s)) |
| <b>n-hexane (110-54-3)</b>  |  |
| LD50 oral rat   | 16000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)                       |
| LD50 dermal rabbit  | > 3350 mg/kg bodyweight (Equivalent or similar to OECD 402, 4 h, Rabbit, Male, Read-across, Dermal, 14 day(s))                 |
| LC50 Inhalation - Rat   | > 17,6 mg/l air (Equivalent or similar to OECD 403, 24 h, Rat, Male, Experimental value, Inhalation (vapours))                 |
| Skin corrosion/irritation   | : Causes skin irritation.  |
| <b>acetone (67-64-1)</b>  |  |
| pH  | 5 – 6 (20 °C)  |
| <b>butanone (78-93-3)</b>   |  |
| pH  | No data available in the literature  |
| <b>cyclohexane (110-82-7)</b>   |  |
| pH  | 7 (0.005 %, 24 °C)   |
| <b>n-hexane (110-54-3)</b>  |  |
| pH  | 7 (< 0.01 %, 25 °C)  |
| Serious eye damage/irritation   | : Causes serious eye irritation.   |
| <b>acetone (67-64-1)</b>  |  |
| pH  | 5 – 6 (20 °C)  |
| <b>butanone (78-93-3)</b>   |  |
| pH  | No data available in the literature  |
| <b>cyclohexane (110-82-7)</b>   |  |
| pH  | 7 (0.005 %, 24 °C)   |

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| <b>n-hexane (110-54-3)</b>  |   |
|---|---|
| pH  | 7 (< 0.01 %, 25 °C)   |
| Respiratory or skin sensitisation   | : May cause an allergic skin reaction.  |
| Germ cell mutagenicity  | : Not classified  |
| Carcinogenicity   | : Not classified  |
| Reproductive toxicity   | : Not classified  |
| <b>acetone (67-64-1)</b>  |   |
| LOAEL (animal/female, F0/P)   | 11298 mg/kg bodyweight Animal: mouse, Animal sex: female  |
| NOAEL (animal/male, F0/P)   | 900 mg/kg bodyweight Animal: rat, Animal sex: male, Remarks on results: other:Generation not specified (migrated information) |
| STOT-single exposure  | : May cause drowsiness or dizziness.  |
| <b>acetone (67-64-1)</b>  |   |
| STOT-single exposure  | May cause drowsiness or dizziness.  |
| <b>hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b> |   |
| STOT-single exposure  | May cause drowsiness or dizziness.  |
| <b>butanone (78-93-3)</b>   |   |
| STOT-single exposure  | May cause drowsiness or dizziness.  |
| <b>cyclohexane (110-82-7)</b>   |   |
| STOT-single exposure  | May cause drowsiness or dizziness.  |
| <b>n-hexane (110-54-3)</b>  |   |
| STOT-single exposure  | May cause drowsiness or dizziness.  |
| STOT-repeated exposure  | : Not classified  |
| <b>n-hexane (110-54-3)</b>  |   |
| STOT-repeated exposure  | May cause damage to organs (nervous system) through prolonged or repeated exposure (if inhaled).                              |
| Aspiration hazard   | : Not classified  |
| <b>NMC-Fix</b>  |   |
| Viscosity, kinematic  | 312 – 437 mm <sup>2</sup> /s (calculated value, 20°C)   |
| <b>acetone (67-64-1)</b>  |   |
| Viscosity, kinematic  | No data available in the literature   |
| <b>hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b> |   |
| Viscosity, kinematic  | 0,7 mm <sup>2</sup> /s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm <sup>2</sup> /s)'                                 |
| <b>butanone (78-93-3)</b>   |   |
| Viscosity, kinematic  | No data available in the literature   |
| <b>cyclohexane (110-82-7)</b>   |   |
| Viscosity, kinematic  | 1,16 mm <sup>2</sup> /s (26 °C, Calculated)   |
| <b>n-hexane (110-54-3)</b>  |   |
| Viscosity, kinematic  | No data available in the literature   |

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### 11.2. Information on other hazards

#### Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : 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 %

#### Other information

Potential adverse human health effects and symptoms : Under normal conditions of use, no adverse effects to health have been observed

## 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) : Toxic to aquatic life with long lasting effects.

#### acetone (67-64-1)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | 6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) |
| LOEC (chronic)  | > 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |
| NOEC (chronic)  | ≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |

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

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 8,2 – 10 mg/l (read-across to all substances in the naphtha category) |
| EC50 - Crustacea [1] | 4,5 mg/l (read-across to all substances in the naphtha category)      |
| ErC50 algae          | 3,1 mg/l (read-across to all substances in the naphtha category)      |
| LOEC (chronic)       | 0,32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'    |
| NOEC (chronic)       | 0,17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'    |

#### butanone (78-93-3)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 2973 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Static system, Fresh water, Experimental value, GLP)                   |
| EC50 - Crustacea [1] | 308 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 72h - Algae [1] | 1972 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)         |
| EC50 96h - Algae [1] | 2029 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)         |
| ErC50 algae          | 1220 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)    |

#### cyclohexane (110-82-7)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 4,5 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) |
| EC50 - Crustacea [1] | 0,9 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)                   |

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| cyclohexane (110-82-7) |  |
|------------------------|--|
| EC50 72h - Algae [1]   | 9,3 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapitata, Experimental value, Growth rate) |

### 12.2. Persistence and degradability

| NMC-Fix                       |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |

| acetone (67-64-1)               |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil, Biodegradable in the soil under anaerobic conditions, Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1,43 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)    | 1,92 g O <sub>2</sub> /g substance   |
| ThOD                            | 2,2 g O <sub>2</sub> /g substance  |

| hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane |                        |
|---|------------------------|
| Persistence and degradability                                     | Not rapidly degradable |

| butanone (78-93-3)              |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil, Biodegradable in the soil under anaerobic conditions, Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 2,03 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)    | 2,31 g O <sub>2</sub> /g substance   |
| ThOD                            | 2,44 g O <sub>2</sub> /g substance   |

| cyclohexane (110-82-7)          |                                     |
|---------------------------------|-------------------------------------|
| Persistence and degradability   | Readily biodegradable in water.     |
| Biochemical oxygen demand (BOD) | 0,22 g O <sub>2</sub> /g substance  |
| ThOD                            | 3,425 g O <sub>2</sub> /g substance |

| n-hexane (110-54-3)           |                                    |
|-------------------------------|------------------------------------|
| Persistence and degradability | Readily biodegradable.             |
| ThOD                          | 3,52 g O <sub>2</sub> /g substance |

| 4-tert-butylphenol formaldehyde resin (25085-50-1) |                        |
|--|------------------------|
| Persistence and degradability                      | Not rapidly degradable |

### 12.3. Bioaccumulative potential

| acetone (67-64-1)                               |  |
|---|--|
| BCF - Fish [1]                                  | 0,69 (Pisces, Literature study)                |
| Partition coefficient n-octanol/water (Log Pow) | -0,23 (Test data)                              |
| Bioaccumulative potential                       | Low potential for bioaccumulation (BCF < 500). |

| butanone (78-93-3)                              |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0,3 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 40 °C) |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).  |

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| cyclohexane (110-82-7)                          |  |
|---|--|
| BCF - Fish [1]                                  | 167 l/kg (Pimephales promelas, QSAR, Fresh weight) |
| Partition coefficient n-octanol/water (Log Pow) | 3,4 (Experimental value, 25 °C)                    |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4).   |

| n-hexane (110-54-3)                             |  |
|---|--|
| BCF - Fish [1]                                  | 501,187 (Pimephales promelas, Calculated value)                  |
| Partition coefficient n-octanol/water (Log Pow) | 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) |
| Bioaccumulative potential                       | Potentially bioaccumulable.                                      |

### 12.4. Mobility in soil

| acetone (67-64-1)  |  |
|--|--|
| Surface tension  | 23,3 mN/m (20 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0,374 – 0,988 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil   | Highly mobile in soil.                                       |

| butanone (78-93-3)   |  |
|--|--|
| Surface tension  | No data available in the literature                          |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0,654 – 1,281 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil   | Highly mobile in soil. Slightly harmful to plants.           |

| cyclohexane (110-82-7)                                     |                                       |
|--|---------------------------------------|
| Surface tension  | No data available in the literature   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 2,9 (log Koc, QSAR)                   |
| Ecology - soil   | Low potential for adsorption in soil. |

| n-hexane (110-54-3)  |                                     |
|--|-------------------------------------|
| Surface tension  | 17,89 mN/m (25 °C, 1 g/l)           |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3,34 (log Koc, QSAR)                |
| Ecology - soil   | Low potential for mobility in soil. |

### 12.5. Results of PBT and vPvB assessment

| Component   |  |
|---|--|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII  | acetone (67-64-1), butanone (78-93-3), cyclohexane (110-82-7), n-hexane (110-54-3) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | acetone (67-64-1), butanone (78-93-3), cyclohexane (110-82-7), n-hexane (110-54-3) |

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: 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 %.

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### 12.7. Other adverse effects

#### NMC-Fix

|                   |                        |
|-------------------|------------------------|
| Other information | No other effects known |
|-------------------|------------------------|






## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|   |  |
|---|--|
| Regional waste regulation                 | : Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.  |
| Waste treatment methods                   | : Dispose of contents/container in accordance with licensed collector's sorting instructions.  |
| Sewage disposal recommendations           | : Do not discharge into drains or the environment.   |
| Additional information                    | : Flammable vapours may accumulate in the container.   |
| Ecological waste information              | : Avoid release to the environment.  |
| European List of Waste (LoW, EC 2000/532) | : 08 04 09* - waste adhesives and sealants containing organic solvents or other 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 /

| ADR   | IMDG  | IATA  | ADN  | RID   |
|---|---|---|--|---|
| <b>14.1. UN number or ID number</b>   |   |   |  |   |
| UN 1133   | UN 1133   | UN 1133   | UN 1133  | UN 1133   |
| <b>14.2. UN proper shipping name</b>  |   |   |  |   |
| ADHESIVES   | ADHESIVES   | Adhesives   | ADHESIVES  | ADHESIVES   |
| <b>Transport document description</b>   |   |   |  |   |
| UN 1133 ADHESIVES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS                          | UN 1133 ADHESIVES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (20°C c.c.)                              | UN 1133 Adhesives, 3, II, ENVIRONMENTALLY HAZARDOUS                                 | UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS                                  | UN 1133 ADHESIVES, 3, II, ENVIRONMENTALLY HAZARDOUS                                   |
| <b>14.3. Transport hazard class(es)</b>   |   |   |  |   |
| 3   | 3   | 3   | 3  | 3   |
|  |                            |  |  |  |
| <b>14.4. Packing group</b>  |   |   |  |   |
| II  | II  | II  | II   | II  |
| <b>14.5. Environmental hazards</b>  |   |   |  |   |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-D | Dangerous for the environment: Yes  | Dangerous for the environment: Yes   | Dangerous for the environment: Yes  |
| No supplementary information available  |   |   |  |   |



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### 14.6. Special precautions for user

#### Overland transport

|   |  |
|---|--|
| Classification code (ADR)                                 | : F1   |
| Special provisions (ADR)                                  | : 640D   |
| Limited quantities (ADR)                                  | : 5I   |
| Excepted quantities (ADR)                                 | : E2   |
| Packing instructions (ADR)                                | : P001, IBC02, R001  |
| Special packing provisions (ADR)                          | : PP1  |
| Mixed packing provisions (ADR)                            | : MP19   |
| Portable tank and bulk container instructions (ADR)       | : T4   |
| Portable tank and bulk container special provisions (ADR) | : TP1, TP8   |
| Tank code (ADR)   | : LGBF   |
| Vehicle for tank carriage                                 | : FL   |
| Transport category (ADR)                                  | : 2  |
| Special provisions for carriage - Operation (ADR)         | : S2, S20  |
| Hazard identification number (Kemler No.)                 | : 33   |
| Orange plates   | : <br> |
| Tunnel restriction code (ADR)                             | : D/E  |

#### Transport by sea

|                                    |   |
|------------------------------------|---|
| Limited quantities (IMDG)          | : 5 L   |
| Excepted quantities (IMDG)         | : E2  |
| Packing instructions (IMDG)        | : P001  |
| Special packing provisions (IMDG)  | : PP1   |
| IBC packing instructions (IMDG)    | : IBC02   |
| Tank instructions (IMDG)           | : T4  |
| Tank special provisions (IMDG)     | : TP1, TP8  |
| Stowage category (IMDG)            | : B   |
| Properties and observations (IMDG) | : Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition. |

#### Air transport

|  |        |
|--|--------|
| PCA Excepted quantities (IATA)               | : E2   |
| PCA Limited quantities (IATA)                | : Y341 |
| PCA limited quantity max net quantity (IATA) | : 1L   |
| PCA packing instructions (IATA)              | : 353  |
| PCA max net quantity (IATA)                  | : 5L   |
| CAO packing instructions (IATA)              | : 364  |
| CAO max net quantity (IATA)                  | : 60L  |
| Special provisions (IATA)                    | : A3   |
| ERG code (IATA)                              | : 3L   |

#### Inland waterway transport

|                                   |             |
|-----------------------------------|-------------|
| Classification code (ADN)         | : F1        |
| Special provisions (ADN)          | : 640D      |
| Limited quantities (ADN)          | : 5 L       |
| Excepted quantities (ADN)         | : E2        |
| Equipment required (ADN)          | : PP, EX, A |
| Ventilation (ADN)                 | : VE01      |
| Number of blue cones/lights (ADN) | : 1         |

#### Rail transport

|                            |                     |
|----------------------------|---------------------|
| Classification code (RID)  | : F1                |
| Special provisions (RID)   | : 640D              |
| Limited quantities (RID)   | : 5L                |
| Excepted quantities (RID)  | : E2                |
| Packing instructions (RID) | : P001, IBC02, R001 |

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|   |            |
|---|------------|
| Special packing provisions (RID)                          | : PP1      |
| Mixed packing provisions (RID)                            | : MP19     |
| Portable tank and bulk container instructions (RID)       | : T4       |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8 |
| Tank codes for RID tanks (RID)                            | : LGBF     |
| Transport category (RID)                                  | : 2        |
| Colis express (express parcels) (RID)                     | : CE7      |
| Hazard identification number (RID)                        | : 33       |

### 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)

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

| Reference code | Applicable on   | Entry title or description  |
|----------------|---|---|
| 3(a)           | NMC-Fix ; hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F          |
| 3(b)           | NMC-Fix ; hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |
| 3(c)           | NMC-Fix ; hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   |

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

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

##### REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List < 0.1% or SCL.

##### 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)

##### 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)

VOC content : < 89 %

##### Explosives Precursors Regulation (EU 2019/1148)

Contains substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

#### ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

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List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours.

| Name    | CAS-No. | Combined Nomenclature code (CN) | Combined Nomenclature code for mixture without constituents which would determine classification under another CN code |
|---------|---------|---------------------------------|--|
| Acetone | 67-64-1 | 2914 11 00                      | ex 3824 99 92  |

### Drug Precursors Regulation (EC 273/2004)

Contains 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)

| Name              | CN designation | CAS-No. | CN code    | Category, Subcategory | Threshold | Annex   |
|-------------------|----------------|---------|------------|-----------------------|-----------|---------|
| Acetone           |                | 67-64-1 | 2914 11 00 | Category 3            |           | Annex I |
| Methylethylketone | Butanone       | 78-93-3 | 2914 12 00 | Category 3            |           | Annex I |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

Composition/information on ingredients.

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate   |
| BCF                         | Bioconcentration factor   |
| BLV                         | Biological limit value  |
| BOD                         | Biochemical oxygen demand (BOD)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |
| DNEL                        | Derived-No Effect Level   |
| EC-No.                      | European Community number   |
| EC50                        | Median effective concentration  |
| EN                          | European Standard   |
| IARC                        | International Agency for Research on Cancer   |
| IATA                        | International Air Transport Association   |
| IMDG                        | International Maritime Dangerous Goods  |
| LC50                        | Median lethal concentration   |
| LD50                        | Median lethal dose  |
| LOAEL                       | Lowest Observed Adverse Effect Level  |
| NOAEC                       | No-Observed Adverse Effect Concentration  |
| NOAEL                       | No-Observed Adverse Effect Level  |
| NOEC                        | No-Observed Effect Concentration  |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disruptor  |

| Full text of H- and EUH-statements: |  |
|-------------------------------------|--|
| 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  |
| Repr. 2                             | Reproductive toxicity, Category 2                                      |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| Skin Sens. 1                        | Skin sensitisation, Category 1   |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2         |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H225                                | Highly flammable liquid and vapour.                                    |
| 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.                                     |
| H361f                               | Suspected of damaging fertility.                                       |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |
| 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.                  |

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

|                   |      |                       |
|-------------------|------|-----------------------|
| Flam. Liq. 2      | H225 | On basis of test data |
| Skin Irrit. 2     | H315 | Calculation method    |
| Eye Irrit. 2      | H319 | Calculation method    |
| Skin Sens. 1      | H317 | Calculation method    |
| STOT SE 3         | H336 | Calculation method    |
| Aquatic Chronic 2 | H411 | Calculation method    |

Safety Data Sheet (SDS), EU-2025-2

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.