

# Safety Data Sheet

according to UK REACH Regulation

## DINITROL 4010

Revision date: 18.12.2023

Product code: 21614

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

#### 1.1. Product identifier

DINITROL 4010

UFI: 02RN-63CE-Y006-5T5P

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

##### Use of the substance/mixture

Anti-corrosive coating

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

|                         |                      |                                |
|-------------------------|----------------------|--------------------------------|
| Company name:           | DINOL GmbH           |                                |
| Street:                 | Pyrmonter Strasse 76 |                                |
| Place:                  | D-32676 Luegde       |                                |
| Telephone:              | + 49 (0) 5281 982980 | Telefax: + 49 (0) 5281 9829860 |
| E-mail:                 | msds@dinol.com       |                                |
| Contact person:         | Labor                |                                |
| Responsible Department: | msds@dinol.com       |                                |

**1.4. Emergency telephone number:** Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

Flam. Liq. 3; H226  
 Asp. Tox. 1; H304  
 STOT SE 3; H336  
 STOT RE 1; H372  
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

##### Hazard components for labelling

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)  
 Hydrocarbons, C9-10, <2% aromatics  
 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

**Signal word:** Danger

##### Pictograms:



##### Hazard statements

|      |                                                                 |
|------|-----------------------------------------------------------------|
| H226 | Flammable liquid and vapour.                                    |
| H304 | May be fatal if swallowed and enters airways.                   |
| H336 | May cause drowsiness or dizziness.                              |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H412 | Harmful to aquatic life with long lasting effects.              |

##### Precautionary statements

|      |                                                                                                |
|------|------------------------------------------------------------------------------------------------|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|------|------------------------------------------------------------------------------------------------|

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P243 Take action to prevent static discharges.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains calcium sulfonate. May produce an allergic reaction.  
Restricted to professional users.

### Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



### Hazard statements

H304-H372-H412

### Precautionary statements

P405

### 2.3. Other hazards

Hydrocarbons meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Relevant ingredients

| CAS No       | Chemical name                                                                                       |          |                  | Quantity    |
|--------------|-----------------------------------------------------------------------------------------------------|----------|------------------|-------------|
|              | EC No                                                                                               | Index No | REACH No         |             |
|              | Classification (GB CLP Regulation)                                                                  |          |                  |             |
|              | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)                             |          |                  | 10 - < 25 % |
|              | 919-446-0                                                                                           |          | 01-2119458049-33 |             |
|              | Flam. Liq. 3, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H372 H304 H411 EUH066 |          |                  |             |
| 1174921-73-3 | Hydrocarbons, C9-10, <2% aromatics                                                                  |          |                  | 10 - < 25 % |
|              | 807-660-6                                                                                           |          | 01-2119471843-32 |             |
|              | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 3; H226 H336 H304 H412                        |          |                  |             |
|              | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics                                 |          |                  | 10 - < 25 % |
|              | 919-857-5                                                                                           |          | 01-2119463258-33 |             |
|              | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066                                         |          |                  |             |
| 61789-86-4   | calcium sulfonate                                                                                   |          |                  | 5 - < 10 %  |
|              | 263-093-9                                                                                           |          | 01-2119488992-18 |             |
|              | Skin Sens. 1B; H317                                                                                 |          |                  |             |
|              | calcium bis (di C8-C10, branched, C9 rich, alkyl naphthalenesulphonate)                             |          |                  | 1 - < 3 %   |
|              | 939-717-7                                                                                           |          | 01-2119980985-16 |             |
|              | Skin Irrit. 2, Eye Irrit. 2; H315 H319                                                              |          |                  |             |

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

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#### Specific Conc. Limits, M-factors and ATE

| CAS No       | EC No     | Chemical name                                                                                  | Quantity    |
|--------------|-----------|------------------------------------------------------------------------------------------------|-------------|
|              |           | Specific Conc. Limits, M-factors and ATE                                                       |             |
|              | 919-446-0 | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)                        | 10 - < 25 % |
|              |           | dermal: LD50 = >3400 mg/kg; oral: LD50 = >15000 mg/kg                                          |             |
| 1174921-73-3 | 807-660-6 | Hydrocarbons, C9-10, <2% aromatics                                                             | 10 - < 25 % |
|              |           | inhalation: LC50 = 4951 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 4951 mg/kg   |             |
|              | 919-857-5 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics                            | 10 - < 25 % |
|              |           | inhalation: LC50 = 5000 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg |             |
| 61789-86-4   | 263-093-9 | calcium sulfonate                                                                              | 5 - < 10 %  |
|              |           | dermal: LD50 = > 2000 mg/kg; oral: LD50 = 5000 mg/kg Skin Sens. 1B; H317: >= 10 - 100          |             |
|              | 939-717-7 | calcium bis (di C8-C10, branched, C9 rich, alkyl)naphthalenesulphonate)                        | 1 - < 3 %   |
|              |           | inhalation: LC50 = > 18 mg/l (vapours); dermal: LD50 = > 20000 mg/kg; oral: LD50 = >5000 mg/kg |             |

#### Further Information

Hydrocarbons meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated, saturated clothing immediately.

##### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. If unconscious but breathing normally, place in recovery position and seek medical advice.

##### After contact with skin

Wash with plenty of water/Soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

##### After contact with eyes

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

##### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Call a physician immediately.

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

Nausea, Dizziness, Headache.

#### 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

Carbon dioxide (CO2), Foam, Extinguishing powder.

##### Unsuitable extinguishing media

High power water jet.

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

Flammable. Vapours can form explosive mixtures with air.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

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**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition.  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin, eyes and clothes.  
Use personal protection equipment.

**For emergency responders**

For further specification, refer to section 8 of the SDS.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment.

**6.3. Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Provide adequate ventilation.  
Clear contaminated areas thoroughly.  
Do not rinse down with water.

**Other information**

No information available.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharges.  
Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.  
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only.  
Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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### Hints on joint storage

Not required.

### Further information on storage conditions

No information available.

### 7.3. Specific end use(s)

Anti-corrosive coating

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

| CAS No                   | Substance                                                               |                |          |                          |
|--------------------------|-------------------------------------------------------------------------|----------------|----------|--------------------------|
| DNEL type                |                                                                         | Exposure route | Effect   | Value                    |
|                          | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |                |          |                          |
| Worker DNEL, long-term   |                                                                         | inhalation     | systemic | 330 mg/m <sup>3</sup>    |
| Worker DNEL, long-term   |                                                                         | dermal         | systemic | 44 mg/kg bw/day          |
| Consumer DNEL, long-term |                                                                         | inhalation     | systemic | 71 mg/m <sup>3</sup>     |
| Consumer DNEL, long-term |                                                                         | dermal         | systemic | 26 mg/kg bw/day          |
| Consumer DNEL, long-term |                                                                         | oral           | systemic | 26 mg/kg bw/day          |
| 1174921-73-3             | Hydrocarbons, C9-10, <2% aromatics                                      |                |          |                          |
| Consumer DNEL, long-term |                                                                         | oral           | systemic | 125 mg/kg bw/day         |
| Worker DNEL, long-term   |                                                                         | dermal         | systemic | 208 mg/kg bw/day         |
| Consumer DNEL, long-term |                                                                         | dermal         | systemic | 125 mg/kg bw/day         |
| Worker DNEL, long-term   |                                                                         | inhalation     | systemic | 871 mg/m <sup>3</sup>    |
| Consumer DNEL, long-term |                                                                         | inhalation     | systemic | 185 mg/m <sup>3</sup>    |
|                          | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics     |                |          |                          |
| Consumer DNEL, long-term |                                                                         | oral           | systemic | 125 mg/kg bw/day         |
| Worker DNEL, long-term   |                                                                         | dermal         | systemic | 208 mg/kg bw/day         |
| Consumer DNEL, long-term |                                                                         | dermal         | systemic | 125 mg/kg bw/day         |
| Worker DNEL, long-term   |                                                                         | inhalation     | systemic | 871 mg/m <sup>3</sup>    |
| Consumer DNEL, long-term |                                                                         | inhalation     | systemic | 185 mg/m <sup>3</sup>    |
| 61789-86-4               | calcium sulfonate                                                       |                |          |                          |
| Worker DNEL, long-term   |                                                                         | dermal         | systemic | 3,33 mg/kg bw/day        |
| Worker DNEL, long-term   |                                                                         | dermal         | local    | 1,03 mg/cm <sup>2</sup>  |
| Consumer DNEL, long-term |                                                                         | inhalation     | systemic | 2,9 mg/m <sup>3</sup>    |
| Consumer DNEL, long-term |                                                                         | dermal         | systemic | 1,667 mg/kg bw/day       |
| Consumer DNEL, long-term |                                                                         | dermal         | local    | 0,513 mg/cm <sup>2</sup> |
| Consumer DNEL, long-term |                                                                         | oral           | systemic | 0,8333 mg/kg bw/day      |
| Worker DNEL, long-term   |                                                                         | inhalation     | systemic | 11,75 mg/m <sup>3</sup>  |

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### PNEC values

| CAS No                                           | Substance         |                 |
|--------------------------------------------------|-------------------|-----------------|
| Environmental compartment                        |                   | Value           |
| 61789-86-4                                       | calcium sulfonate |                 |
| Freshwater                                       |                   | 1 mg/l          |
| Marine water                                     |                   | 1 mg/l          |
| Freshwater sediment                              |                   | 226000000 mg/kg |
| Marine sediment                                  |                   | 226000000 mg/kg |
| Secondary poisoning                              |                   | 16667 mg/kg     |
| Micro-organisms in sewage treatment plants (STP) |                   | 1000 mg/l       |
| Soil                                             |                   | 271000000 mg/kg |

### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection (DIN EN 166)

##### Hand protection

Tested protective gloves must be worn (EN ISO 374):

FKM (fluoro rubber) penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber) penetration time (maximum wearing period): 480 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

##### Skin protection

Wear anti-static footwear and clothing

##### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141), Filter material/medium: A

##### Thermal hazards

No information available.

##### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state:

Liquid

Colour:

light brown

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Odour: characteristic  
Odour threshold: not determined

#### Test method

|                                                           |                                                                                                  |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Melting point/freezing point:                             | not determined                                                                                   |
| Boiling point or initial boiling point and boiling range: | 136 - 164 °C                                                                                     |
| Flammability:                                             | not applicable                                                                                   |
| Lower explosion limits:                                   | 0,7 vol. %                                                                                       |
| Upper explosion limits:                                   | 6,5 vol. %                                                                                       |
| Flash point:                                              | 29 °C                                                                                            |
| Auto-ignition temperature:                                | > 200 °C                                                                                         |
| Decomposition temperature:                                | not determined                                                                                   |
| pH-Value:                                                 | not determined                                                                                   |
| Viscosity / kinematic:                                    | not determined                                                                                   |
| Water solubility:                                         | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Solubility in other solvents                              |                                                                                                  |
| not determined                                            |                                                                                                  |
| Partition coefficient n-octanol/water:                    | not determined                                                                                   |
| Vapour pressure:                                          | 5 hPa                                                                                            |
| (at 20 °C)                                                |                                                                                                  |
| Vapour pressure:                                          | 30 hPa                                                                                           |
| (at 50 °C)                                                |                                                                                                  |
| Density (at 20 °C):                                       | 0,89 g/cm <sup>3</sup>                                                                           |
| Relative vapour density:                                  | not determined                                                                                   |
| Particle characteristics:                                 | not applicable                                                                                   |

#### 9.2. Other information

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

|                           |                   |
|---------------------------|-------------------|
| Explosive properties      |                   |
| not determined            |                   |
| Sustaining combustion:    | No data available |
| Self-ignition temperature |                   |
| Solid:                    | not applicable    |
| Gas:                      | not applicable    |
| Oxidizing properties      |                   |
| not determined            |                   |

##### Other safety characteristics

|                          |                      |
|--------------------------|----------------------|
| Evaporation rate:        | not determined       |
| Solvent separation test: | not determined       |
| Solvent content:         | 51,9 %               |
| Solid content:           | 47,2 %               |
| Softening point:         | not determined       |
| Viscosity / dynamic:     | not determined       |
| Flow time:               | 22 4 DIN EN ISO 2431 |
| (at 20 °C)               |                      |

##### Further Information

No information available.

#### SECTION 10: Stability and reactivity

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**10.1. Reactivity**

No further relevant information available.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

Carbon monoxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

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| CAS No       | Chemical name                                                           |                    |         |        |        |
|--------------|-------------------------------------------------------------------------|--------------------|---------|--------|--------|
|              | Exposure route                                                          | Dose               | Species | Source | Method |
|              | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |                    |         |        |        |
|              | oral                                                                    | LD50 >15000 mg/kg  | Rat     |        |        |
|              | dermal                                                                  | LD50 >3400 mg/kg   | Rat     |        |        |
| 1174921-73-3 | Hydrocarbons, C9-10, <2% aromatics                                      |                    |         |        |        |
|              | oral                                                                    | LD50 4951 mg/kg    | Rat     |        |        |
|              | dermal                                                                  | LD50 > 5000 mg/kg  | Rabbit  |        |        |
|              | inhalation (4 h) vapour                                                 | LC50 4951 mg/l     | Rat     |        |        |
|              | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics     |                    |         |        |        |
|              | oral                                                                    | LD50 > 5000 mg/kg  | Rat     |        |        |
|              | dermal                                                                  | LD50 > 5000 mg/kg  | Rabbit  |        |        |
|              | inhalation (4 h) vapour                                                 | LC50 5000 mg/l     | Rat     |        |        |
| 61789-86-4   | calcium sulfonate                                                       |                    |         |        |        |
|              | oral                                                                    | LD50 5000 mg/kg    | Rat     |        |        |
|              | dermal                                                                  | LD50 > 2000 mg/kg  | Rat     |        |        |
|              | calcium bis (di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)  |                    |         |        |        |
|              | oral                                                                    | LD50 >5000 mg/kg   | Rat     |        |        |
|              | dermal                                                                  | LD50 > 20000 mg/kg | Rabbit  |        |        |
|              | inhalation (4 h) vapour                                                 | LC50 > 18 mg/l     | Rat     |        |        |

### Irritation and corrosivity

Based on available data, the classification criteria are not met.  
Repeated exposure may cause skin dryness or cracking.

### Sensitising effects

Based on available data, the classification criteria are not met.  
Contains calcium sulfonate. May produce an allergic reaction.

### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

### STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%); Hydrocarbons, C9-10, <2% aromatics; Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

### STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%))

### Aspiration hazard

May be fatal if swallowed and enters airways.

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### Information on likely routes of exposure

No information available.

### Specific effects in experiment on an animal

No information available.

### Additional information on tests

No information available.

### Practical experience

No information available.

## 11.2. Information on other hazards

### Endocrine disrupting properties

Endocrine disrupting potential No information available.

### Further information

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.

| CAS No | Chemical name                                                           |              |           |         |                                        |        |
|--------|-------------------------------------------------------------------------|--------------|-----------|---------|----------------------------------------|--------|
|        | Aquatic toxicity                                                        | Dose         | [h]   [d] | Species | Source                                 | Method |
|        | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |              |           |         |                                        |        |
|        | Acute fish toxicity                                                     | LL50<br>mg/l | 10-30     | 96 h    | Oncorhynchus mykiss<br>(Rainbow trout) |        |
|        | Acute algae toxicity                                                    | ErC50        | 4,6 mg/l  | 72 h    | Pseudokirchneriella<br>subcapitata     |        |
|        | Acute crustacea toxicity                                                | EL50<br>mg/l | 10-22     | 48 h    | Daphnia magna (Big<br>water flea)      |        |
|        | calcium bis (di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)  |              |           |         |                                        |        |
|        | Acute fish toxicity                                                     | LC50<br>mg/l | > 0,28    | 96 h    | fish                                   |        |
|        | Acute crustacea toxicity                                                | EC50<br>mg/l | > 0,27    | 48 h    | Daphnia magna (Big<br>water flea)      |        |
|        | Algae toxicity                                                          | NOEC<br>mg/l | > 0,27    | 3 d     |                                        |        |

### 12.2. Persistence and degradability

There are no data available on the mixture itself.

| CAS No | Chemical name                                                           |        |    |        |
|--------|-------------------------------------------------------------------------|--------|----|--------|
|        | Method                                                                  | Value  | d  | Source |
|        | Evaluation                                                              |        |    |        |
|        | Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) |        |    |        |
|        |                                                                         | 74,7 % | 28 |        |
|        | Leicht biologisch abbaubar                                              |        |    |        |
|        | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics     |        |    |        |
|        |                                                                         | 80%    |    |        |
|        | Readily biodegradable (according to OECD criteria).                     |        |    |        |

### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

### 12.4. Mobility in soil

There are no data available on the mixture itself.

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#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### Further information

There are no data available on the preparation/mixture itself.

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of waste according to applicable legislation. Do not mix with other wastes.

List of proposed waste codes/waste designations in accordance with EWC:

##### List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

##### List of Wastes Code - contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

##### Contaminated packaging

Remove according to the regulations.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1139  
**14.2. UN proper shipping name:** COATING SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 30  
Tunnel restriction code: D/E

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1139  
**14.2. UN proper shipping name:** Coating solution  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III

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Hazard label: 3



Classification code: F1  
Limited quantity: 5 L  
Excepted quantity: E1

### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1139  
**14.2. UN proper shipping name:** COATING SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Marine pollutant: no  
Special Provisions: 955  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-E, S-E

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1139  
**14.2. UN proper shipping name:** COATING SOLUTION  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 10 L  
Passenger LQ: Y344  
Excepted quantity: E1  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

Warning : Flammable liquids

### 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 regulatory information

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Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

|                                    |                                                        |
|------------------------------------|--------------------------------------------------------|
| Directive 2004/42/EC on VOC in     | 51,94 %                                                |
| paints and varnishes:              | 462,2 g/l                                              |
| Subcategory according to           | Special finishes - All types, VOC limit value: 840 g/l |
| Directive 2004/42/EC:              |                                                        |
| Information according to Directive | P5c FLAMMABLE LIQUIDS                                  |
| 2012/18/EU (SEVESO III):           |                                                        |

#### Additional information

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

#### National regulatory information

|                          |                                                                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Employment restrictions: | Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |                               |
|-------------------------|-------------------------------|
| Water hazard class (D): | 3 - highly hazardous to water |
|-------------------------|-------------------------------|

#### Additional information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,6,7,8,9,10,11,12,15,16.

#### Abbreviations and acronyms

Flam. Liq: Flammable liquids  
 Asp. Tox: Aspiration hazard  
 Skin Irrit: Skin irritation  
 Eye Irrit: Eye irritation  
 Skin Sens: Skin sensitisation  
 STOT SE: Specific target organ toxicity - single exposure  
 STOT RE: Specific target organ toxicity - repeated exposure  
 Aquatic Chronic: Chronic aquatic hazard  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

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### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Flam. Liq. 3; H226      | On basis of test data    |
| Asp. Tox. 1; H304       | Calculation method       |
| STOT SE 3; H336         | Calculation method       |
| STOT RE 1; H372         | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

### Relevant H and EUH statements (number and full text)

|        |                                                                 |
|--------|-----------------------------------------------------------------|
| H226   | 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.                              |
| H372   | Causes damage to organs through prolonged or repeated exposure. |
| H411   | Toxic to aquatic life with long lasting effects.                |
| H412   | Harmful to aquatic life with long lasting effects.              |
| EUH066 | Repeated exposure may cause skin dryness or cracking.           |
| EUH208 | Contains calcium sulfonate. May produce an allergic reaction.   |

### Further Information

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

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*