

## Safety Data Sheet

according to UK REACH Regulation

### DINITROL 448 light grey

Revision date: 20.11.2024

Product code: 5112

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

### 1.1. Product identifier

DINITROL 448 light grey

UFI: 75KJ-D468-2008-3PA8

### 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

#### Manufacturer

|                         |                      |                                |
|-------------------------|----------------------|--------------------------------|
| 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       |                                |

#### Supplier

|               |                                  |
|---------------|----------------------------------|
| Company name: | Leading Solvent Supplies Limited |
| Street:       | Marston Business Park, Rudgate   |
| Place:        | GB Tockwith, York YO26 7QF       |
| E-mail:       | enquiries@leading-solvents.co.uk |
| Internet:     | www.leading-solvents.co.uk       |

### 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

Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

##### Special labelling of certain mixtures

|        |                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUH208 | Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.<br>Restricted to professional users.                                       |

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

##### Hazard statements

H412

### 2.3. Other hazards

No information available.

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### 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)                                                                                                                                     |              |                  |            |
| 13463-67-7 | titanium dioxide                                                                                                                                                       |              |                  | 1 - < 5 %  |
|            | 236-675-5                                                                                                                                                              | 022-006-00-2 | 01-2119489379-17 |            |
|            | Carc. 2; H351                                                                                                                                                          |              |                  |            |
| 64-17-5    | Ethanol                                                                                                                                                                |              |                  | 1 - < 5 %  |
|            | 200-578-6                                                                                                                                                              |              | 01-2119457610-43 |            |
|            | Flam. Liq. 2, Eye Irrit. 2; H225 H319                                                                                                                                  |              |                  |            |
| 7779-90-0  | trizinc bis(orthophosphate)                                                                                                                                            |              |                  | < 1 %      |
|            | 231-944-3                                                                                                                                                              | 030-011-00-6 | 01-2119485044-40 |            |
|            | Aquatic Acute 1, Aquatic Chronic 1; H400 H410                                                                                                                          |              |                  |            |
| 1314-13-2  | zinc oxide                                                                                                                                                             |              |                  | < 1 %      |
|            | 215-222-5                                                                                                                                                              | 030-013-00-7 | 01-2119463881-32 |            |
|            | Aquatic Acute 1, Aquatic Chronic 1; H400 H410                                                                                                                          |              |                  |            |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)                                        |              |                  | < 0.0015 % |
|            | 611-341-5                                                                                                                                                              | 613-167-00-5 | 01-2120764691-48 |            |
|            | Acute Tox. 2, Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H310 H301 H314 H318 H317 H400 H410 EUH071 |              |                  |            |

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

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

| CAS No     | EC No     | Chemical name                                                                                                                                                                                                                                                                                                                                                                | Quantity   |
|------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|            |           | Specific Conc. Limits, M-factors and ATE                                                                                                                                                                                                                                                                                                                                     |            |
| 13463-67-7 | 236-675-5 | titanium dioxide                                                                                                                                                                                                                                                                                                                                                             | 1 - < 5 %  |
|            |           | dermal: LD50 = > 10000 mg/kg; oral: LD50 = > 20000 mg/kg                                                                                                                                                                                                                                                                                                                     |            |
| 64-17-5    | 200-578-6 | Ethanol                                                                                                                                                                                                                                                                                                                                                                      | 1 - < 5 %  |
|            |           | inhalation: LC50 = > 50 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100                                                                                                                                                                                                                                                |            |
| 7779-90-0  | 231-944-3 | trizinc bis(orthophosphate)                                                                                                                                                                                                                                                                                                                                                  | < 1 %      |
|            |           | inhalation: LC50 = > 5,7 mg/l (dusts or mists); oral: LD50 = > 5000 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1                                                                                                                                                                                                                                            |            |
| 1314-13-2  | 215-222-5 | zinc oxide                                                                                                                                                                                                                                                                                                                                                                   | < 1 %      |
|            |           | inhalation: LC50 = > 2500 mg/l (dusts or mists); oral: LD50 = > 7950 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1                                                                                                                                                                                                                                           |            |
| 55965-84-9 | 611-341-5 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)                                                                                                                                                                                                                                              | < 0.0015 % |
|            |           | inhalation: ATE = 0,5 mg/l (vapours); inhalation: ATE = 0,05 mg/l (dusts or mists); dermal: ATE = 50 mg/kg; oral: ATE = 100 mg/kg Skin Corr. 1C; H314: >= 0,6 - 100 Skin Irrit. 2; H315: >= 0,06 - < 0,6 Eye Dam. 1; H318: >= 0,6 - 100 Eye Irrit. 2; H319: >= 0,06 - < 0,6 Skin Sens. 1A; H317: >= 0,0015 - 100 Aquatic Acute 1; H400: M=100 Aquatic Chronic 1; H410: M=100 |            |

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**Further Information**

The homogeneous mixing of this product is controlled by continuous physical tests. Formerly dusty raw materials are completely integrated into the liquid/pasty mass. Possible AGW-values for solid substances are therefore not given, as there is no longer any risk of inhalation of these substances (when handling this mixture).

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In all cases of doubt, or when symptoms persist, seek medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.  
In case of irregular breathing or respiratory arrest provide artificial respiration.

**After contact with skin**

Change contaminated clothing.  
Wash with plenty of water/Soap.  
Do not wash with: Solvent/Thinner.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing. Seek medical advice immediately.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).  
Do NOT induce vomiting.  
Call a physician immediately.  
Put victim at rest, cover with a blanket and keep warm.

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

No information available.

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

No information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water fog.

**Unsuitable extinguishing media**

High power water jet.

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

No further relevant information available.

**5.3. Advice for firefighters**

No further relevant information available.

**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**

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**General advice**

Special danger of slipping by leaking/spilling product.  
Ventilate affected area.

**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.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**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.  
If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Advice on protection against fire and explosion**

No special measures are necessary.

**Advice on general occupational hygiene**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from food, drink and animal feedingstuffs. 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**

No special measures are necessary.

**Hints on joint storage**

Not required.

**Further information on storage conditions**

storage temperature: >0° - < 30°C

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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#### Exposure limits (EH40)

| CAS No     | Substance                         | ppm  | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|------------|-----------------------------------|------|-------------------|-----------|-----------|--------|
| 7727-43-7  | Barium sulphate, respirable dust  | -    | 4                 |           | TWA (8 h) | WEL    |
| 64-17-5    | Ethanol                           | 1000 | 1920              |           | TWA (8 h) | WEL    |
| 14807-96-6 | Talc respirable dust              | -    | 1                 |           | TWA (8 h) | WEL    |
| 13463-67-7 | Titanium dioxide, total inhalable | -    | 10                |           | TWA (8 h) | WEL    |

#### DNEL/DMEL values

| CAS No                   | Substance                   | Exposure route | Effect                 | Value |
|--------------------------|-----------------------------|----------------|------------------------|-------|
| 7727-43-7                | Barium sulfate              |                |                        |       |
| Worker DNEL, long-term   | inhalation                  | systemic       | 10 mg/m <sup>3</sup>   |       |
| Worker DNEL, long-term   | inhalation                  | local          | 10 mg/m <sup>3</sup>   |       |
| Consumer DNEL, long-term | inhalation                  | systemic       | 10 mg/m <sup>3</sup>   |       |
| Consumer DNEL, long-term | oral                        | systemic       | 13000 mg/kg bw/day     |       |
| 64-17-5                  | Ethanol                     |                |                        |       |
| Consumer DNEL, long-term | dermal                      | systemic       | 206 mg/kg bw/day       |       |
| Worker DNEL, long-term   | dermal                      | systemic       | 343 mg/kg bw/day       |       |
| Consumer DNEL, long-term | inhalation                  | systemic       | 114 mg/m <sup>3</sup>  |       |
| Worker DNEL, long-term   | inhalation                  | systemic       | 950 mg/m <sup>3</sup>  |       |
| Worker DNEL, acute       | inhalation                  | local          | 1900 mg/m <sup>3</sup> |       |
| Consumer DNEL, acute     | inhalation                  | local          | 950 mg/m <sup>3</sup>  |       |
| 7779-90-0                | trizinc bis(orthophosphate) |                |                        |       |
| Worker DNEL, long-term   | inhalation                  | systemic       | 5 mg/m <sup>3</sup>    |       |
| Worker DNEL, long-term   | dermal                      | systemic       | 83 mg/kg bw/day        |       |
| Consumer DNEL, long-term | inhalation                  | systemic       | 2,5 mg/m <sup>3</sup>  |       |
| Consumer DNEL, long-term | dermal                      | systemic       | 83 mg/kg bw/day        |       |
| Consumer DNEL, acute     | oral                        | systemic       | 0,83 mg/kg bw/day      |       |
| 1314-13-2                | zinc oxide                  |                |                        |       |
| Worker DNEL, long-term   | inhalation                  | systemic       | 5 mg/m <sup>3</sup>    |       |
| Worker DNEL, long-term   | inhalation                  | local          | 0,5 mg/m <sup>3</sup>  |       |
| Worker DNEL, long-term   | dermal                      | systemic       | 83 mg/kg bw/day        |       |
| Consumer DNEL, long-term | inhalation                  | systemic       | 2,5 mg/m <sup>3</sup>  |       |
| Consumer DNEL, long-term | dermal                      | systemic       | 83 mg/kg bw/day        |       |
| Consumer DNEL, long-term | oral                        | systemic       | 0,83 mg/kg bw/day      |       |
| ,                        |                             |                |                        |       |

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#### PNEC values

| CAS No                                           | Substance                   |             |
|--------------------------------------------------|-----------------------------|-------------|
| Environmental compartment                        |                             | Value       |
| 7727-43-7                                        | Barium sulfate              |             |
| Freshwater                                       |                             | 0,115 mg/l  |
| Freshwater sediment                              |                             | 600,4 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |                             | 62,2 mg/l   |
| Soil                                             |                             | 207,7 mg/kg |
| 64-17-5                                          | Ethanol                     |             |
| Freshwater                                       |                             | 0,96 mg/l   |
| Marine water                                     |                             | 0,79 mg/l   |
| Freshwater sediment                              |                             | 3,6 mg/kg   |
| Marine sediment                                  |                             | 2,9 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |                             | 580 mg/l    |
| Soil                                             |                             | 0,63 mg/kg  |
| 7779-90-0                                        | trizinc bis(orthophosphate) |             |
| Freshwater                                       |                             | 0,0206 mg/l |
| Marine water                                     |                             | 0,0061 mg/l |
| Freshwater sediment                              |                             | 117,8 mg/kg |
| Marine sediment                                  |                             | 56,5 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) |                             | 0,100 mg/l  |
| Soil                                             |                             | 35,6 mg/kg  |
| 1314-13-2                                        | zinc oxide                  |             |
| Freshwater                                       |                             | 0,0206 mg/l |
| Marine water                                     |                             | 0,0061 mg/l |
| Freshwater sediment                              |                             | 117,8 mg/kg |
| Marine sediment                                  |                             | 56,5 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) |                             | 0,100 mg/l  |
| Soil                                             |                             | 35,6 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 (EN 166)

##### Hand protection

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

FKM (fluoro rubber), Breakthrough time:: 480 min.

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NBR (Nitrile rubber), Breakthrough time:: 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

Not required.

### SECTION 9: Physical and chemical properties

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

|                                                           |                |                     |
|-----------------------------------------------------------|----------------|---------------------|
| Physical state:                                           | Liquid         |                     |
| Colour:                                                   | light grey     |                     |
| Odour:                                                    | characteristic |                     |
| Odour threshold:                                          | not determined |                     |
| Melting point/freezing point:                             |                | not determined      |
| Boiling point or initial boiling point and boiling range: |                | 100 °C              |
| Flammability:                                             |                | not applicable      |
| Lower explosion limits:                                   |                | not determined      |
| Upper explosion limits:                                   |                | not determined      |
| Flash point:                                              |                | not applicable      |
| Auto-ignition temperature:                                |                | not determined      |
| Decomposition temperature:                                |                | not determined      |
| pH-Value:                                                 |                | 8                   |
| Viscosity / kinematic:                                    |                | not determined      |
| Water solubility:                                         |                | completely miscible |
| Solubility in other solvents                              |                | not determined      |
| Partition coefficient n-octanol/water:                    |                | not determined      |
| Vapour pressure:                                          |                | 23 hPa              |
| (at 20 °C)                                                |                |                     |
| Density (at 20 °C):                                       |                | 1,45 - 1,49 g/cm³   |
| Relative vapour density:                                  |                | not determined      |

#### 9.2. Other information

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

Explosive properties

not determined

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

not determined

##### Other safety characteristics

Evaporation rate:

not determined

Solvent content:

2,4 %, water: 22,5 %

Solid content:

66 - 70 %

Sublimation point:

not determined

Softening point:

not determined

Pour point:

not determined

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Viscosity / dynamic:

4500 - 5200 mPa·s

**Further Information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**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 known hazardous reactions.

**10.5. Incompatible materials**

No 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 |
| 13463-67-7 | titanium dioxide                                                                                                                |                    |         |        |        |
|            | oral                                                                                                                            | LD50 > 20000 mg/kg | Rat     |        |        |
|            | dermal                                                                                                                          | LD50 > 10000 mg/kg | Rabbit  |        |        |
| 64-17-5    | Ethanol                                                                                                                         |                    |         |        |        |
|            | oral                                                                                                                            | LD50 10470 mg/kg   | Rat     |        |        |
|            | dermal                                                                                                                          | LD50 > 2000 mg/kg  | Rabbit  |        |        |
|            | inhalation (4 h) vapour                                                                                                         | LC50 > 50 mg/l     | Rat     |        |        |
| 7779-90-0  | trizinc bis(orthophosphate)                                                                                                     |                    |         |        |        |
|            | oral                                                                                                                            | LD50 > 5000 mg/kg  | Rat     |        |        |
|            | inhalation (4 h) dust/mist                                                                                                      | LC50 > 5,7 mg/l    | Rat     |        |        |
| 1314-13-2  | zinc oxide                                                                                                                      |                    |         |        |        |
|            | oral                                                                                                                            | LD50 > 7950 mg/kg  | Rat     |        |        |
|            | inhalation (4 h) dust/mist                                                                                                      | LC50 > 2500 mg/l   | Rat     |        |        |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) |                    |         |        |        |
|            | oral                                                                                                                            | ATE 100 mg/kg      |         |        |        |
|            | dermal                                                                                                                          | ATE 50 mg/kg       |         |        |        |
|            | inhalation vapour                                                                                                               | ATE 0,5 mg/l       |         |        |        |
|            | inhalation dust/mist                                                                                                            | ATE 0,05 mg/l      |         |        |        |

### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

### Sensitising effects

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

Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

### STOT-single exposure

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

### STOT-repeated exposure

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

### Aspiration hazard

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

### Information on likely routes of exposure

No information available.

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#### 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 |
| 64-17-5    | Ethanol                                                                                                                         |                    |           |                                |        |        |
|            | Acute algae toxicity                                                                                                            | ErC50 275 mg/l     | 72 h      | Chlorella vulgaris             |        |        |
|            | Acute crustacea toxicity                                                                                                        | EC50 > 10000 mg/l  | 48 h      | Daphnia magna (Big water flea) |        |        |
| 1314-13-2  | zinc oxide                                                                                                                      |                    |           |                                |        |        |
|            | Acute fish toxicity                                                                                                             | LC50 1120 mg/l     | 96 h      | fish                           | GESTIS |        |
|            | Acute crustacea toxicity                                                                                                        | EC50 12,3 mg/l     | 48 h      |                                | GESTIS |        |
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) |                    |           |                                |        |        |
|            | Acute bacteria toxicity                                                                                                         | EC50 0,97 mg/l ( ) | 3 h       | Activated sludge               |        |        |

#### 12.2. Persistence and degradability

There are no data available on the mixture itself.

#### 12.3. Bioaccumulative potential

There are no data available on the mixture itself.

#### Partition coefficient n-octanol/water

| CAS No     | Chemical name                                                                                                                   | Log Pow   |
|------------|---------------------------------------------------------------------------------------------------------------------------------|-----------|
| 55965-84-9 | Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | 0,71-0,75 |

#### 12.4. Mobility in soil

There are no data available on the mixture itself.

#### 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.

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#### Further information

There are no data available on the preparation/mixture itself.  
Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

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

##### Contaminated packaging

Completely emptied packages can be recycled.  
Remove according to the regulations.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <u>14.1. UN number or ID number:</u>     | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u>    | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u>              | No dangerous good in sense of this transport regulation. |

#### Inland waterways transport (ADN)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <u>14.1. UN number or ID number:</u>     | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u>    | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u>              | No dangerous good in sense of this transport regulation. |

#### Marine transport (IMDG)

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <u>14.1. UN number or ID number:</u>     | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u>    | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u>              | No dangerous good in sense of this transport regulation. |
| Marine pollutant:                        | no                                                       |
| Segregation group:                       | 4 - chlorates                                            |

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

|                                          |                                                          |
|------------------------------------------|----------------------------------------------------------|
| <u>14.1. UN number or ID number:</u>     | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u>    | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u>              | No dangerous good in sense of this transport regulation. |

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

#### Other applicable information

Hazchem code: -

### 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 paints and varnishes: 2,43 % (36 g/l)

### 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): 2 - obviously 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

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 16.

### Abbreviations and acronyms

Flam. Liq: Flammable liquids  
Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Eye Dam: Eye damage  
Eye Irrit: Eye irritation  
Skin Sens: Skin sensitisation  
Carc: Carcinogenicity  
Aquatic Acute: Acute aquatic hazard  
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%

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

|                         |                          |
|-------------------------|--------------------------|
| Classification          | Classification procedure |
| Aquatic Chronic 3; H412 | Calculation method       |

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

H225 Highly flammable liquid and vapour.  
H301 Toxic if swallowed.  
H310 Fatal in contact with skin.  
H314 Causes severe skin burns and eye damage.

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|        |                                                                                                                                                                             |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H317   | May cause an allergic skin reaction.                                                                                                                                        |
| H318   | Causes serious eye damage.                                                                                                                                                  |
| H319   | Causes serious eye irritation.                                                                                                                                              |
| H330   | Fatal if inhaled.                                                                                                                                                           |
| H351   | Suspected of causing cancer.                                                                                                                                                |
| H400   | Very toxic to aquatic life.                                                                                                                                                 |
| H410   | Very toxic to aquatic life with long lasting effects.                                                                                                                       |
| H412   | Harmful to aquatic life with long lasting effects.                                                                                                                          |
| EUH071 | Corrosive to the respiratory tract.                                                                                                                                         |
| EUH208 | Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.                                                                            |

#### 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.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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