



# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Reference number: Periodic review of SDS 10/06/2025  
Issue date: 07/04/2014 Revision date: 10/06/2022 Supersedes version of: 20/09/2021 Version: 1.6

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

#### 1.1. Product identifier

|                 |   |
|-----------------|---|
| Product form    | : Mixture   |
| Trade name      | : Silt Remover D402                                     |
| Product code    | : D402  |
| Type of product | : Aqueous solution of cationic polymer, Polyacrylamides |
| Synonyms        | : Siltfree  |
| Product group   | : Blend   |

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

##### 1.2.1. Relevant identified uses

|                              |                    |
|------------------------------|--------------------|
| Main use category            | : Professional use |
| Use of the substance/mixture | : Flocculant       |

##### 1.2.2. Uses advised against

No additional information available

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

Wessex Chemical Factors Ltd  
17 Crane Way, Woolsbridge Industrial Park,  
Three Legged Cross, Wimborne, Dorset  
BH21 6FA  
United Kingdom  
T +44 (0) 1202 823 699 - F +44 (0) 1202 813 863  
[www.wessexchemicalfactors.co.uk](http://www.wessexchemicalfactors.co.uk)  
E-mail address of competent person responsible for the SDS : [info@wessexchemicalfactors.co.uk](mailto:info@wessexchemicalfactors.co.uk)

#### 1.4. Emergency telephone number

|                  |   |
|------------------|---|
| Emergency number | : +44 (0) 1202 823 699 (Office hours only 9am - 5pm Monday - Thursday, 9am - 4pm Friday.)<br>+44 (0) 7973629367 (Out of hours emergency number) |
|------------------|---|

### SECTION 2: Hazards identification

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

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

Not classified

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

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

|                |  |
|----------------|--|
| EUH-statements | : EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)(55965-84-9). May produce an allergic reaction. |
|----------------|--|

#### 2.3. Other hazards

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

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name   | Product identifier  | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|--|---|---------------|---|
| propan-2-ol; isopropyl alcohol; isopropanol  | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0<br>REACH-no: 01-2119457558-25-XXXX  | 1 – 3         | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336   |
| adipic acid  | CAS-No.: 124-04-9<br>EC-No.: 204-673-3<br>EC Index-No.: 607-144-00-9<br>REACH-no: 01-2119457561-38-XXXX | < 0.1         | Eye Irrit. 2, H319  |
| 1,6-Dihydroxy-2,5-dioxahexane  | CAS-No.: 3586-55-8<br>EC-No.: 222-720-6   | < 0.01        | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318  |
| ethanediol; ethylene glycol  | CAS-No.: 107-21-1<br>EC-No.: 203-473-3<br>EC Index-No.: 603-027-00-1<br>REACH-no: 01-2119456816-28-XXXX | < 0.01        | Acute Tox. 4 (Oral), H302<br>STOT RE 2, H373  |
| formaldehyde ...%<br>(Note B)(Note D)  | CAS-No.: 50-00-0<br>EC-No.: 200-001-8<br>EC Index-No.: 605-001-00-5<br>REACH-no: 01-2119488953-20-XXXX  | < 0.01        | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Carc. 1B, H350   |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)<br>(Note B)  | CAS-No.: 55965-84-9<br>EC Index-No.: 613-167-00-5   | < 0.01        | Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Acute Tox. 2 (Inhalation), H330<br>Acute Tox. 2 (Inhalation:dust,mist), H330<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>STOT RE 1, H372<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1) |
| disodium 1-amino-4-[[3-[(2,3-dibromo-1-oxopropyl)amino]-2,4,6-trimethyl-5-sulphonatophenyl]amino]-9,10-dihydro-9,10-dioxoanthracene-2-sulphonate | CAS-No.: 70210-42-3<br>EC-No.: 274-439-3  | < 0.01        | Skin Sens. 1, H317<br>Aquatic Chronic 3, H412   |
| disodium 4-[4-[[5-[(2-bromo-1-oxoallyl)amino]-2-sulphonatophenyl]azo]-4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl]-2,5-dichlorobenzenesulphonate  | CAS-No.: 70247-70-0<br>EC-No.: 274-499-0  | < 0.01        | Resp. Sens. 1B, H334<br>Skin Sens. 1B, H317   |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Specific concentration limits:  |  |  |
|---|--|--|
| Name  | Product identifier   | Specific concentration limits  |
| formaldehyde ...%   | CAS-No.: 50-00-0<br>EC-No.: 200-001-8<br>EC Index-No.: 605-001-00-5<br>REACH-no: 01-2119488953-20-XXXX | ( 0.2 ≤C < 100) Skin Sens. 1, H317<br>( 5 ≤C < 100) STOT SE 3, H335<br>( 5 ≤C < 25) Eye Irrit. 2, H319<br>( 5 ≤C < 25) Skin Irrit. 2, H315<br>( 25 ≤C < 100) Skin Corr. 1B, H314                 |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS-No.: 55965-84-9<br>EC Index-No.: 613-167-00-5  | ( 0.0015 ≤C ≤ 100) Skin Sens. 1A, H317<br>( 0.06 ≤C < 0.6) Eye Irrit. 2, H319<br>( 0.06 ≤C < 0.6) Skin Irrit. 2, H315<br>( 0.6 ≤C ≤ 100) Eye Dam. 1, H318<br>( 0.6 ≤C ≤ 100) Skin Corr. 1C, H314 |

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).                 |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.            |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.  |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell.                   |

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

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

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

#### 5.3. Advice for firefighters

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

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment : Stop leak without risks if possible.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

See Section 8. Exposure controls and personal protection. For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

United Kingdom - Occupational Exposure Limits

|            |             |
|------------|-------------|
| Local name | Propan-2-ol |
|------------|-------------|

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b> |  |
|--|--|
| WEL TWA (OEL TWA) [1]  | 999 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]  | 400 ppm  |
| WEL STEL (OEL STEL)  | 1250 mg/m <sup>3</sup>   |
| WEL STEL (OEL STEL) [ppm]                                    | 500 ppm  |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>formaldehyde ...% (50-00-0)</b>                           |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>    |  |
| Local name   | Formaldehyde   |
| IOEL TWA   | 0.37 mg/m <sup>3</sup>   |
| IOEL STEL  | 0.74 mg/m <sup>3</sup> (BOEL)  |
| IOEL STEL [ppm]  | 0.6 ppm (BOEL)   |
| Remark   | Dermal sensitisation   |
| Regulatory reference   | DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)  |
| <b>EU - Binding Occupational Exposure Limit (BOEL)</b>       |  |
| Local name   | Formaldehyde   |
| BOEL TWA   | 0.37 mg/m <sup>3</sup><br>0.62 mg/m <sup>3</sup> (Limit value for the health care, funeral and embalming sectors until 11 July 2024) |
| BOEL TWA [ppm]   | 0.3 ppm<br>0.5 ppm (Limit value for the health care, funeral and embalming sectors until 11 July 2024)                               |
| BOEL STEL  | 0.74 mg/m <sup>3</sup>   |
| BOEL STEL [ppm]  | 0.6 ppm  |
| Notes  | Dermal sensitisation (The substance can cause sensitisation of the skin)   |
| Regulatory reference   | DIRECTIVE (EU) 2019/983 (amending Directive 2004/37/EC)  |
| <b>United Kingdom - Occupational Exposure Limits</b>         |  |
| Local name   | Formaldehyde   |
| WEL TWA (OEL TWA) [1]  | 2.5 mg/m <sup>3</sup>  |
| WEL TWA (OEL TWA) [2]  | 2 ppm  |
| WEL STEL (OEL STEL)  | 2.5 mg/m <sup>3</sup>  |
| WEL STEL (OEL STEL) [ppm]                                    | 2 ppm  |
| Regulatory reference   | EH40/2005 (Fourth edition, 2020). HSE  |
| <b>ethanediol; ethylene glycol (107-21-1)</b>                |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b>    |  |
| Local name   | Ethylene glycol  |
| IOEL TWA   | 52 mg/m <sup>3</sup>   |
| IOEL TWA [ppm]   | 20 ppm   |
| IOEL STEL  | 104 mg/m <sup>3</sup>  |
| IOEL STEL [ppm]  | 40 ppm   |
| Remark   | Skin   |
| Regulatory reference   | COMMISSION DIRECTIVE 2000/39/EC  |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| ethanediol; ethylene glycol (107-21-1)               |   |
|--|---|
| <b>United Kingdom - Occupational Exposure Limits</b> |   |
| Local name   | Ethane-1,2-diol   |
| WEL TWA (OEL TWA) [1]                                | 10 mg/m <sup>3</sup> particulate<br>52 mg/m <sup>3</sup> vapour   |
| WEL TWA (OEL TWA) [2]                                | 20 ppm vapour   |
| WEL STEL (OEL STEL)                                  | 104 mg/m <sup>3</sup> vapour  |
| WEL STEL (OEL STEL) [ppm]                            | 40 ppm vapour   |
| Remark   | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                                 | EH40/2005 (Fourth edition, 2020). HSE   |

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Safety glasses.

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



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Skin and body protection:

Wear suitable protective clothing

##### Hand protection:

Wear protective gloves.

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Wear appropriate mask

#### 8.2.2.4. Thermal hazards

No additional information available

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

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

|   |                           |
|---|---------------------------|
| Physical state                                  | : Liquid                  |
| Colour  | : Blue.                   |
| Odour   | : characteristic.         |
| Odour threshold                                 | : No data available       |
| pH  | : No data available       |
| Relative evaporation rate (butylacetate=1)      | : No data available       |
| Melting point                                   | : Not applicable          |
| Freezing point                                  | : No data available       |
| Boiling point                                   | : No data available       |
| Flash point                                     | : ~ 65 °C                 |
| Auto-ignition temperature                       | : No data available       |
| Decomposition temperature                       | : No data available       |
| Flammability (solid, gas)                       | : Non flammable.          |
| Vapour pressure                                 | : No data available       |
| Relative vapour density at 20 °C                | : No data available       |
| Relative density                                | : No data available       |
| Density   | : 0.995 g/cm <sup>3</sup> |
| Solubility                                      | : soluble in water.       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available       |
| Viscosity, kinematic                            | : No data available       |
| Viscosity, dynamic                              | : No data available       |
| Explosive properties                            | : No data available       |
| Oxidising properties                            | : No data available       |
| Explosive limits                                | : No data available       |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

| adipic acid (124-04-9) |              |
|------------------------|--------------|
| LD50 oral rat          | > 2000 mg/kg |
| LD50 dermal rabbit     | > 2000 mg/kg |

| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) |  |
|---|--|
| LD50 oral rat   | 5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit                                    | 12800 mg/kg  |
| LC50, male, female, Inhalation, rat                   | > 10000 ppm (6 Hours, (OECD 403 method))   |

| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9) |   |
|--|---|
| LD50 dermal rat  | > 1008 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat (Dust/Mist)  | 0.31 mg/l/4h  |

| formaldehyde ...% (50-00-0) |                      |
|-----------------------------|----------------------|
| LD50 oral rat               | 460 mg/kg bodyweight |
| LC50 Inhalation - Rat [ppm] | < 463 ppm            |

| ethanediol; ethylene glycol (107-21-1) |                                   |
|--|-----------------------------------|
| LD50 oral rat                          | 7712 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit                     | > 10600 mg/kg                     |
| LD50 dermal                            | > 3500 mg/kg Animal: mouse        |

| 1,6-Dihydroxy-2,5-dioxahexane (3586-55-8) |   |
|---|---|
| LD50 oral rat                             | 200 – 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method) |
| LD50 dermal rabbit                        | > 2000 mg/kg  |

Skin corrosion/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Serious eye damage/irritation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Respiratory or skin sensitisation : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Germ cell mutagenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met  
Carcinogenicity : Not classified  
Additional information : Based on available data, the classification criteria are not met

| formaldehyde ...% (50-00-0) |                            |
|-----------------------------|----------------------------|
| IARC group                  | 1 - Carcinogenic to humans |

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



# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|                        |  |
|------------------------|--|
| STOT-single exposure   | May cause drowsiness or dizziness.                                 |
| STOT-repeated exposure | : Not classified   |
| Additional information | : Based on available data, the classification criteria are not met |

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

|                                     |  |
|-------------------------------------|--|
| LOAEL (dermal, rat/rabbit, 90 days) | 0.525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Subchronic Dermal Toxicity 90 Days) |
| STOT-repeated exposure              | Causes damage to organs through prolonged or repeated exposure.  |

### ethanediol; ethylene glycol (107-21-1)

|   |   |
|---|---|
| STOT-repeated exposure                              | May cause damage to organs (kidneys) through prolonged or repeated exposure (oral). |
| NOAEL, male, oral, rat                              | 150 mg/kg bw/day (12 months)  |
| Aspiration hazard                                   | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met                  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met                  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.                           |
| Ecology - water   | : Degradation/elimination: by rapid hydrolysis of the polymer and irreversible binding to dissolved organic carbon and inorganic sediment matter. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified  |

### adipic acid (124-04-9)

|                      |         |
|----------------------|---------|
| EC50 - Crustacea [1] | 46 mg/l |
|----------------------|---------|

### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|  |   |
|--|---|
| LC50 - Fish [1]                                | 9640 mg/l Test organisms (species): Fathead minnow ( <i>Pimephales promelas</i> ) |
| EC50 72h - Algae [1]                           | > 1000 mg/l Test organisms (species): ( <i>Desmodesmus subspicatus</i> )          |
| EC50, daphnia, short term                      | 9714 mg/l (24 Hours, (OECD 202 method))   |
| EC5, microorganisms, <i>Pseudomonas putida</i> | 1050 mg/l (16 Hours)  |

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 0.19 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i> )                   |
| LC50 - Fish [2]      | 0.28 mg/l Test organisms (species): <i>Lepomis macrochirus</i>  |
| EC50 - Crustacea [1] | 0.16 mg/l Test organisms (species): <i>Daphnia magna</i>  |
| EC50 72h - Algae [1] | 0.019 mg/l Test organisms (species): <i>Skeletonema costatum</i>  |
| NOEC (chronic)       | 0.1 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'  |
| NOEC chronic fish    | 0.098 mg/l Test organisms (species): <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i> ) Duration: '28 d' |
| NOEC chronic algae   | 0.004 mg/l  |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| <b>formaldehyde ...% (50-00-0)</b>  |  |
|---|--|
| LC50 - Fish [1]   | 6.7 mg/l Test organisms (species): <i>Morone saxatilis</i>   |
| EC50 - Crustacea [1]  | 5.8 mg/l Test organisms (species): <i>Daphnia pulex</i>  |
| EC50 72h - Algae [1]  | 3.48 mg/l  |
| NOEC (chronic)  | ≥ 6.4 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'   |
| NOEC chronic fish   | ≥ 48 mg/l Test organisms (species): <i>Oryzias latipes</i> Duration: '28 d'  |
| <b>ethanediol; ethylene glycol (107-21-1)</b>   |  |
| LC50 - Fish [1]   | > 72860 mg/l Test organisms (species): <i>Pimephales promelas</i>  |
| EC50 - Crustacea [1]  | > 100 mg/l Test organisms (species): <i>Daphnia magna</i>  |
| EC50 96h - Algae [1]  | 6500 – 13000 mg/l  |
| NOEC (chronic)  | ≥ 1000 mg/l Test organisms (species): <i>Americamysis bahia</i> (previous name: <i>Mysidopsis bahia</i> ) Duration: '23 d' |
| NOEC chronic fish   | 15380 mg/l   |
| NOEC chronic algae  | > 100 mg/l   |
| <b>1,6-Dihydroxy-2,5-dioxahexane (3586-55-8)</b>  |  |
| LC50 - Fish [1]   | 71 mg/l Test organisms (species): <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i> )                            |
| EC50 - Crustacea [1]  | 28 mg/l Test organisms (species): <i>Daphnia magna</i>   |
| EC50 72h - Algae [1]  | 4.62 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i> )        |
| EC50 72h - Algae [2]  | 3.48 mg/l Test organisms (species): <i>Desmodesmus subspicatus</i> (previous name: <i>Scenedesmus subspicatus</i> )        |
| NOEC (chronic)  | 8 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'   |
| <b>12.2. Persistence and degradability</b>  |  |
| <b>Silt Remover D402</b>  |  |
| Persistence and degradability   | Not established.   |
| <b>adipic acid (124-04-9)</b>   |  |
| Persistence and degradability   | Readily biodegradable.   |
| <b>propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)</b>  |  |
| Persistence and degradability   | Readily biodegradable.   |
| Biochemical oxygen demand (BOD)   | 1.19 – 1.72 g O <sub>2</sub> /g substance  |
| Chemical oxygen demand (COD)  | 2.23 g O <sub>2</sub> /g substance   |
| <b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b> |  |
| Persistence and degradability   | Not readily biodegradable.   |
| <b>formaldehyde ...% (50-00-0)</b>  |  |
| Persistence and degradability   | Readily biodegradable.   |
| <b>ethanediol; ethylene glycol (107-21-1)</b>   |  |
| Persistence and degradability   | Readily biodegradable.   |
| Biochemical oxygen demand (BOD)   | 1.24 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)  | 1.22 g O <sub>2</sub> /g substance   |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### 1,6-Dihydroxy-2,5-dioxahexane (3586-55-8)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

#### Silt Remover D402

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### adipic acid (124-04-9)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | 0.093 |
|---|-------|

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.05 |
|---|------|

|                           |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

#### formaldehyde ...% (50-00-0)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.35 |
|---|------|

|                           |                     |
|---------------------------|---------------------|
| Bioaccumulative potential | No bioaccumulation. |
|---------------------------|---------------------|

#### ethanediol; ethylene glycol (107-21-1)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -1.36 |
|---|-------|

|                           |      |
|---------------------------|------|
| Bioaccumulative potential | Low. |
|---------------------------|------|

#### 1,6-Dihydroxy-2,5-dioxahexane (3586-55-8)

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -2.73 |
|---|-------|

|                           |      |
|---------------------------|------|
| Bioaccumulative potential | Low. |
|---------------------------|------|

### 12.4. Mobility in soil

#### propan-2-ol; isopropyl alcohol; isopropanol (67-63-0)

|                 |           |
|-----------------|-----------|
| Surface tension | 22.7 mN/m |
|-----------------|-----------|

|                |   |
|----------------|---|
| Ecology - soil | Very mobile. Soluble material/quickly disperses in water. |
|----------------|---|

#### ethanediol; ethylene glycol (107-21-1)

|                  |   |
|------------------|---|
| Mobility in soil | The substance will not evaporate into the atmosphere from the water surface., Adsorption to solid soil phase is not expected. |
|------------------|---|

### 12.5. Results of PBT and vPvB assessment

#### Component

|   |   |
|---|---|
| propan-2-ol; isopropyl alcohol; isopropanol (67-63-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|---|---|

|  |   |
|--|---|
| ethanediol; ethylene glycol (107-21-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|--|---|

|                             |  |
|-----------------------------|--|
| formaldehyde ...% (50-00-0) | PBT: not relevant – no registration required |
|-----------------------------|--|

### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

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

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

##### Rail transport

Not regulated

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

Not applicable

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

### 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Abbreviations and acronyms:

|       |   |
|-------|---|
| CLP   | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| EC50  | Median effective concentration  |
| LC50  | Median lethal concentration   |
| LD50  | Median lethal dose  |
| NOAEL | No-Observed Adverse Effect Level  |
| NOEC  | No-Observed Effect Concentration  |
| PBT   | Persistent Bioaccumulative Toxic  |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| SDS   | Safety Data Sheet   |
| vPvB  | Very Persistent and Very Bioaccumulative  |

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

Other information : None.

### Full text of H- and EUH-statements:

|                                     |   |
|-------------------------------------|---|
| Acute Tox. 2 (Dermal)               | Acute toxicity (dermal), Category 2                               |
| Acute Tox. 2 (Inhalation)           | Acute toxicity (inhal.), Category 2                               |
| Acute Tox. 2 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 2                  |
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3                               |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                 |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Carc. 1B                            | Carcinogenicity, Category 1B  |
| EUH208                              | Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)(55965-84-9). May produce an allergic reaction. |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1   |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2   |
| Flam. Liq. 2                        | Flammable liquids, Category 2   |
| H225                                | Highly flammable liquid and vapour.   |
| H301                                | Toxic if swallowed.   |
| H302                                | Harmful if swallowed.   |
| H310                                | Fatal in contact with skin.   |
| H311                                | Toxic in contact with skin.   |
| H314                                | Causes severe skin burns and eye damage.  |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.  |
| H318                                | Causes serious eye damage.  |
| H319                                | Causes serious eye irritation.  |
| H330                                | Fatal if inhaled.   |
| H331                                | Toxic if inhaled.   |
| H334                                | May cause allergy or asthma symptoms or breathing difficulties if inhaled.  |
| H335                                | May cause respiratory irritation.   |
| H336                                | May cause drowsiness or dizziness.  |
| H341                                | Suspected of causing genetic defects.   |
| H350                                | May cause cancer.   |
| H372                                | Causes damage to organs through prolonged or repeated exposure.   |
| H373                                | May cause damage to organs through prolonged or repeated exposure.  |
| H400                                | Very toxic to aquatic life.   |
| H410                                | Very toxic to aquatic life with long lasting effects.   |
| H412                                | Harmful to aquatic life with long lasting effects.  |
| Muta. 2                             | Germ cell mutagenicity, Category 2  |
| Resp. Sens. 1B                      | Respiratory sensitisation, Category 1B  |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B  |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1, Sub-Category 1C  |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2   |
| Skin Sens. 1                        | Skin sensitisation, Category 1  |
| Skin Sens. 1A                       | Skin sensitisation, category 1A   |
| Skin Sens. 1B                       | Skin sensitisation, category 1B   |
| STOT RE 1                           | Specific target organ toxicity – Repeated exposure, Category 1  |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2  |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis  |

# Silt Remover D402

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

---

Safety Data Sheet (SDS), EU

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