

SYLLIT 400 SC Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Date of issue: 1/9/2004 Revision date: 6/7/2016

Supersedes: 9/4/2015 Version: 8.2

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

| 1.1. P       | roduct identifier |   |                   |
|--------------|-------------------|---|-------------------|
| Product form | n                 | : | Mixture           |
| Trade name   | •                 | : | SYLLIT 400 SC     |
| Product cod  | e                 | : | CA721646          |
| Synonyms     |                   | : | Dodine 400 g/L SC |

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

#### 1.2.1. **Relevant identified uses**

| Main use category                |  |
|----------------------------------|--|
| Industrial/Professional use spec |  |

| : | Professional use         |
|---|--------------------------|
| : | Agriculture<br>Pesticide |
| : | Fungicide                |

#### 1.2.2. **Uses advised against**

Use of the substance/mixture

No additional information available

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

Arysta LifeScience Benelux Rue de Renory 26/1 B-4102 Ougrée - Belgium T +32 (0)4 385 97 11 - F +32 (0)4 385 97 49 sdsin@arysta.com - http://www.arystalifescience.com

#### 1.4. **Emergency telephone number**

Emergency number

#### : Europe/Rest of the world (English): +44(0)1235 239670 112 (European Emergency Number) USA: +1 215 207 0061 or 001866 928 0789 Australia: +61 2801 44558 People's Republic of China: + 86 10 5100 3039 New Zealand: +64 9929 1483

| Country        | Organisation/Company   | Address  | Emergency number  | Comment |
|----------------|--|--|---|---------|
|                | WHO  | http://www.who.int/gho/phe/chemical_saf<br>ety/poisons_centres/en/index.html |   |         |
| United Kingdom | National Poisons Information<br>Service (Belfast Centre)<br>Royal Victoria Hospital  | Grosvenor Road<br>BT12 6BA Belfast   | 0844 892 0111 (UK<br>only, Monday to Friday,<br>08.00 to 18.00 hours) |         |
| United Kingdom | National Poisons Information<br>Service (Birmingham Centre)<br>City Hospital, Guy's & St Thomas'<br>Hospital Trust                       | Dudley Road<br>B18 7QH Birmingham  | 0844 892 0111 (UK<br>only, Monday to Friday,<br>08.00 to 18.00 hours) |         |
| United Kingdom | National Poisons Information<br>Service (Cardiff Centre)<br>Gwenwyn Ward, Wolfson Unit   | Penarth<br>CF64 2XX Cardiff  | 0844 892 0111 (UK<br>only, Monday to Friday,<br>08.00 to 18.00 hours) |         |
| United Kingdom | NPIS Edinburgh (Scottish<br>Poisons Information Bureau)<br>Royal Infirmary of Edinburgh, Centre<br>Hospitalier Universitaire Bab el Oued | 51 Little France Crescent<br>EH16 4SA Edinburgh                              | 0844 892 0111 (UK<br>only, Monday to Friday,<br>08.00 to 18.00 hours) |         |
| United Kingdom | Guy's & St Thomas' Poisons<br>Unit<br>Medical Toxicology Unit, Centre<br>Hospitalier Universitaire de Constantine                        | Avonley Road<br>SE14 5ER London  | 0870 243 2241   |         |
| United Kingdom | National Poisons Information<br>Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre                                     | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle                  | 0844 892 0111 (UK<br>only, Monday to Friday,<br>08.00 to 18.00 hours) |         |

### **SECTION 2: Hazards identification**

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

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

| Acute toxicity             | H |
|----------------------------|---|
| (inhalation:dust,mist)     |   |
| Category 3                 |   |
| Skin corrosion/irritation, | H |
|                            |   |

1331 1315 On basis of test data

Expert judgment

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|--|----------------------|---|
| Category 2   |                      | <b>–</b>  |
| Serious eye damage/eye irritation, Category 1          | H318                 | Expert judgment   |
| Hazardous to the aquatic                               | H400                 | On basis of test data   |
| environment — Acute                                    |                      |   |
| Hazard, Category 1                                     | H410                 | Calculation method  |
| Hazardous to the aquatic environment — Chronic         | H410                 | Calculation method  |
| Hazard, Category 1                                     |                      |   |
| Full text of H statements : se                         | e section 16         |   |
|  |                      |   |
| Adverse physicochemical,                               |                      | nvironmental effects  |
| No additional information ava                          | ilable               |   |
| 2.2. Label elements                                    |                      |   |
| Labelling according to Reg                             | ulation (EC) No. 127 | 2/2008 [CLP]  |
| Hazard pictograms (CLP)                                |                      |   |
|  |                      |   |
|  |                      |   |
|  |                      |   |
|  |                      |   |
|  |                      | GHS05 GHS06 GHS09   |
| CLP Signal word  | :                    | Danger  |
| Hazardous ingredients                                  |                      | dodine  |
|  | •                    |   |
| Hazard statements (CLP)                                | -                    | H315 - Causes skin irritation   |
| Hazard statements (CLP)                                | -                    | H315 - Causes skin irritation<br>H318 - Causes serious eye damage   |
| Hazard statements (CLP)                                | -                    | H315 - Causes skin irritation<br>H318 - Causes serious eye damage<br>H331 - Toxic if inhaled  |
|  | :                    | H315 - Causes skin irritation<br>H318 - Causes serious eye damage<br>H331 - Toxic if inhaled<br>H410 - Very toxic to aquatic life with long lasting effects   |
| Hazard statements (CLP)<br>Precautionary statements (C | :                    | H315 - Causes skin irritation<br>H318 - Causes serious eye damage<br>H331 - Toxic if inhaled<br>H410 - Very toxic to aquatic life with long lasting effects<br>P261 - Avoid breathing vapours<br>P280 - Wear eye protection, protective gloves  |
|  | :                    | H315 - Causes skin irritation<br>H318 - Causes serious eye damage<br>H331 - Toxic if inhaled<br>H410 - Very toxic to aquatic life with long lasting effects<br>P261 - Avoid breathing vapours<br>P280 - Wear eye protection, protective gloves<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water  |
|  | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove</li> </ul>  |
|  | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> </ul>  |
|  | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove</li> </ul>  |
|  | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P310 - Immediately call a POISON CENTER or doctor/physician</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P501 - Dispose of contents/container to an authorised waste collection point</li> </ul>  |
|  | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P310 - Immediately call a POISON CENTER or doctor/physician</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P501 - Dispose of contents/container to an authorised waste collection point</li> <li>EUH401 - To avoid risks to human health and the environment, comply with the instructions for</li> </ul> |
| Precautionary statements (C                            | :                    | <ul> <li>H315 - Causes skin irritation</li> <li>H318 - Causes serious eye damage</li> <li>H331 - Toxic if inhaled</li> <li>H410 - Very toxic to aquatic life with long lasting effects</li> <li>P261 - Avoid breathing vapours</li> <li>P280 - Wear eye protection, protective gloves</li> <li>P302+P352 - IF ON SKIN: Wash with plenty of soap and water</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>P310 - Immediately call a POISON CENTER or doctor/physician</li> <li>P403+P233 - Store in a well-ventilated place. Keep container tightly closed</li> <li>P501 - Dispose of contents/container to an authorised waste collection point</li> </ul>  |

#### 2.3. Other hazards

No additional information available

## 3.1. Substance

Not applicable

### 3.2. Mixture

| Name   | Product identifier  | %       | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP]  |
|--|---|---------|--|
| dodine   | (CAS No) 2439-10-3<br>(EC no) 219-549-5<br>(EC index no) 607-076-00-X | 38 - 42 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 2 (Inhalation:dust,mist),<br>H330<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100) |
| PROPYLENE GLYCOL<br>substance with national workplace exposure limit(s) (GB, LT, LV) | (CAS No) 57-55-6<br>(EC no) 200-338-0<br>(REACH-no) 01-2119456809-23  | 5.9     | Not classified   |
| Ethoxylated oleil amine, dodecylbenzenesulphonic salt                                | (CAS №) 66467-20-7  | 2 - 5   | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411  |

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| 1,2-benzisothiazol-3(2H)-one Specific concentration limits: | (CAS No) 2634-33-5<br>(EC no) 220-120-9<br>(EC index no) 613-088-00-6 | 0.09 - 0.18                    | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 |
|---|---|--------------------------------|---|
| Name  | Product identifier  | Specific cor                   | centration limits   |
| 1,2-benzisothiazol-3(2H)-one                                | (CAS No) 2634-33-5<br>(EC no) 220-120-9<br>(EC index no) 613-088-00-6 | (C >= 0.05) Skin Sens. 1, H317 |   |

Full text of H-statements: see section 16

| SECTION 4: First aid measures                                     |   |
|---|---|
|   |   |
| 4.1. Description of first aid measures                            | . If medical advice is peeded, have product container or label at hand  |
| First-aid measures general<br>First-aid measures after inhalation | <ul> <li>If medical advice is needed, have product container or label at hand.</li> <li>IF INHALED: if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. If breathing stops, give artificia respiration. In all cases of doubt, or when symptoms persist, seek medical attention.</li> </ul> |
| First-aid measures after skin contact                             | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.   |
| First-aid measures after eye contact                              | : Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice and attention.   |
| First-aid measures after ingestion                                | : If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting Get immediate medical advice and attention.  |
| 4.2. Most important symptoms and ef                               | fects, both acute and delayed   |
| No additional information available                               |   |
| 4.3. Indication of any immediate medi                             | cal attention and special treatment needed  |
| Treat symptomatically.  |   |
| SECTION 5: Firefighting measures                                  |   |
| 5.1. Extinguishing media  |   |
| Suitable extinguishing media                                      | : AFFF foam. dry chemical powder. Carbon dioxide (CO2). Water fog.  |
| Insuitable extinguishing media                                    | : High volume water jet.  |
|   |   |
| 5.2. Special hazards arising from the                             |   |
| Fire hazard   | : Non flammable.  |
| 5.3. Advice for firefighters                                      |   |
| Precautionary measures fire                                       | : No open flames. No smoking.   |
| irefighting instructions  | : Evacuate and limit access. Use a water spray to cool exposed surfaces and to protect fire-<br>fighters.   |
| Protection during firefighting                                    | : Wear suitable protective clothing. In case of inadequate ventilation wear respiratory protectio   |
| Other information   | : Do not allow run-off from fire fighting to enter drains or water courses.   |
| SECTION 6: Accidental release me                                  | asures  |
|   | equipment and emergency procedures  |
| General measures  | : Clean up even minor leaks or spills, if possible, without unnecessary risk.   |
|   |   |
| 5.1.1. For non-emergency personnel                                | : Wear suitable protective clothing, gloves and eye or face protection. In case of insufficient   |
| Protective equipment  | ventilation, wear suitable respiratory equipment.   |
| Emergency procedures  | Evacuate the danger area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Consult an expert. Eliminate every possible source of ignition.   |
| 6.1.2. For emergency responders                                   |   |
| Protective equipment  | : Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.  |
| 6.2. Environmental precautions                                    |   |
|   | rial and its container at hazardous or special waste collection point. Notify authorities if product enter  |
| 6.3. Methods and material for contain                             | ment and cleaning up  |
| For containment   | : Prevent liquid from entering sewers, watercourses, underground or low areas. Impound and  |

|                           | recover large spill by mixing it with inert granular solids.                        |      |
|---------------------------|---|------|
| Methods for cleaning up : | Clean up any spills as soon as possible, using an absorbent material to collect it. |      |
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Other information

6.4. Reference to other sections

Exposure controls/personal protection. Disposal considerations.

| enter into surface water or drains.         Handling temperature       : Store at room temperature  | SECTION 7: Handling and storage          |   |
|---|--|---|
| heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow to<br>enter into surface water or drains.Handling temperature: Store at room temperatureHygiene measures: Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it<br>before reuse. Wash hands and other exposed areas with mild soap and water before eating,<br>drinking or smoking and when leaving work.7.2.Conditions for safe storage, including any incompatibilitiesTechnical measures: Ground well. Use explosion-proof equipment.Storage conditions: Keep out of direct sunlight.Incompatible products: Strong acids. Strong bases. Strong oxidizing agents.Maximum storage period: 2 year(s)Storage area: Keep container tightly closed and in well ventilated place. Install a retention tank. | 7.1. Precautions for safe handling       |   |
| Hygiene measures:Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it<br>before reuse. Wash hands and other exposed areas with mild soap and water before eating,<br>drinking or smoking and when leaving work.7.2.Conditions for safe storage, including any incompatibilitiesTechnical measures:Ground well. Use explosion-proof equipment.Storage conditions:Keep out of direct sunlight.Incompatible products:Storag acids. Strong bases. Strong oxidizing agents.Maximum storage period:2 year(s)Storage area:Keep container tightly closed and in well ventilated place. Install a retention tank.  | Precautions for safe handling            | heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow to |
| before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.         7.2.       Conditions for safe storage, including any incompatibilities         Technical measures       : Ground well. Use explosion-proof equipment.         Storage conditions       : Keep out of direct sunlight.         Incompatible products       : Storag acids. Strong bases. Strong oxidizing agents.         Maximum storage period       : 2 year(s)         Storage area       : Keep container tightly closed and in well ventilated place. Install a retention tank.   | Handling temperature                     | : Store at room temperature   |
| Technical measures: Ground well. Use explosion-proof equipment.Storage conditions: Keep out of direct sunlight.Incompatible products: Strong acids. Strong bases. Strong oxidizing agents.Maximum storage period: 2 year(s)Storage area: Keep container tightly closed and in well ventilated place. Install a retention tank.  | Hygiene measures                         |   |
| Storage conditions: Keep out of direct sunlight.Incompatible products: Strong acids. Strong bases. Strong oxidizing agents.Maximum storage period: 2 year(s)Storage area: Keep container tightly closed and in well ventilated place. Install a retention tank.   | 7.2. Conditions for safe storage, includ | ing any incompatibilities   |
| Incompatible products: Strong acids. Strong bases. Strong oxidizing agents.Maximum storage period: 2 year(s)Storage area: Keep container tightly closed and in well ventilated place. Install a retention tank.   | Technical measures                       | : Ground well. Use explosion-proof equipment.   |
| Maximum storage period       : 2 year(s)         Storage area       : Keep container tightly closed and in well ventilated place. Install a retention tank.   | Storage conditions                       | : Keep out of direct sunlight.  |
| Storage area : Keep container tightly closed and in well ventilated place. Install a retention tank.  | Incompatible products                    | : Strong acids. Strong bases. Strong oxidizing agents.  |
|   | Maximum storage period                   | : 2 year(s)   |
| Packaging materials : Keep only in the original container. Keep locked up and out of reach of children.   | Storage area                             | : Keep container tightly closed and in well ventilated place. Install a retention tank.         |
|   | Packaging materials                      | : Keep only in the original container. Keep locked up and out of reach of children.             |

: Avoid spilling the product, as this might cause falls.

7.3. Specific end use(s)

No additional information available

## **SECTION 8: Exposure controls/personal protection**

| 8.1. Control parameters    | Control parameters |  |  |  |
|----------------------------|--------------------|--|--|--|
| PROPYLENE GLYCOL (57-55-6) |                    |  |  |  |
| United Kingdom             | Local name         | Propane-1,2-diol   |  |  |
| United Kingdom             | WEL TWA (mg/m³)    | 10 mg/m <sup>3</sup> particulates<br>474 mg/m <sup>3</sup> total vapour and particulates |  |  |
| United Kingdom             | WEL TWA (ppm)      | 150 ppm total vapour and particulates  |  |  |

| 8.2. Exposure controls        |   |
|-------------------------------|---|
| Personal protective equipment | : Gloves. Gas mask. Safety glasses.   |
| Hand protection               | : Wear suitable gloves resistant to chemical penetration. Nitrile rubber gloves. Wear suitable gloves resistant to chemical penetration |
| Eye protection                | : Face shield. Chemical goggles or safety glasses   |
| Skin and body protection      | : Skin protection appropriate to the conditions of use should be provided   |
| Respiratory protection        | : In case of inadequate ventilation wear respiratory protection   |
|                               |   |

Environmental exposure controls Other information : Notify authorities if product enters sewers or public waters.

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

| SECTION 9: Physical and chemical properties                |                     |      |
|--|---------------------|------|
| 9.1. Information on basic physical and chemical properties |                     |      |
| Physical state   | : Liquid            |      |
| Appearance   | : Viscous. Opaque.  |      |
| Colour   | : white.            |      |
| Odour  | : Negligible.       |      |
| Odour threshold  | : No data available |      |
| pH   | : 6.1               |      |
| Relative evaporation rate (butylacetate=1)                 | : No data available |      |
| Melting point  | : No data available |      |
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| Freezing point                   | : | No data available         |
|----------------------------------|---|---------------------------|
| Boiling point                    | : | No data available         |
| Flash point                      | : | No data available         |
| Auto-ignition temperature        | : | 430 °C                    |
| Decomposition temperature        | : | No data available         |
| Flammability (solid, gas)        | : | No data available         |
| Vapour pressure                  | : | No data available         |
| Relative vapour density at 20 °C | : | No data available         |
| Relative density                 | : | No data available         |
| Density                          | : | 1.015 g/cm³ (20°C)        |
| Solubility                       | : | No data available         |
| Log Pow                          | : | 0.96                      |
| Viscosity, kinematic             | : | No data available         |
| Viscosity, dynamic               | : | 800 cP (20°C)             |
| Explosive properties             | : | Product is not explosive. |
| 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

When exposed to heat, may decompose liberating hazardous gases.

#### 10.2. Chemical stability

Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

None under normal conditions. For further information, refer to section 10 : "Stability and Reactivity".

#### 10.4. Conditions to avoid

Keep out of direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents.

## 10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes. Carbon dioxide (CO2). Carbon monoxide. Nitrogen oxides.

#### **SECTION 11: Toxicological information**

| 11.1. Information on toxicological effects                         |               |  |  |
|--|---------------|--|--|
| Acute toxicity : Inhalation:dust,mist: Toxic if inhaled.           |               |  |  |
| SYLLIT 400 SC  |               |  |  |
| LD50 oral rat  | > 2000 mg/kg  |  |  |
| LD50 dermal rat  | > 2000 mg/kg  |  |  |
| LC50 inhalation rat (mg/l)   | 0.65 mg/l/4h  |  |  |
| ATE CLP (vapours)  | 0.650 mg/l/4h |  |  |
| ATE CLP (dust,mist)  | 0.650 mg/l/4h |  |  |
| dodine (2439-10-3)   |               |  |  |
| LD50 oral rat  | 851 mg/kg     |  |  |
| LD50 dermal rat  | > 5000 mg/kg  |  |  |
| LC50 inhalation rat (Dust/Mist - mg/l/4h)                          | 0.45 mg/l/4h  |  |  |
| PROPYLENE GLYCOL (57-55-6)   |               |  |  |
| LD50 oral rat  | > 2000 mg/kg  |  |  |
| LD50 dermal rabbit   | > 2000 mg/kg  |  |  |
| Ethoxylated oleil amine, dodecylbenzenesulphonic salt (66467-20-7) |               |  |  |
| LD50 oral rat  | 505.05 mg/kg  |  |  |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5)                           |               |  |  |
| LD50 oral  | 670 mg/kg     |  |  |
|  |               |  |  |

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| : Causes skin irritation.<br>pH: 6.1    |
|---|
| : Causes serious eye damage.<br>pH: 6.1 |
| : Not classified.                       |
| : Not classified                        |
|   |
| 788.17733990 mm²/s                      |
|   |

| SECTION 12: Ecological information       |  |  |  |  |
|--|--|--|--|--|
| 12.1. Toxicity                           |  |  |  |  |
| SYLLIT 400 SC                            |  |  |  |  |
| LC50 fish 1                              | 3.4 mg/l (96h Cyprinus carpio)                     |  |  |  |
| EC50 Daphnia 1                           | 0.123 mg/l (48h Daphnia magna)                     |  |  |  |
| ErC50 (algae)                            | 0.022 mg/l (72h Selenastrum capricornutum)         |  |  |  |
| dodine (2439-10-3)                       |  |  |  |  |
| LC50 fish 1                              | 0.6 mg/l (96h Cyprinus carpio)                     |  |  |  |
| EC50 Daphnia 1                           | 0.018 mg/l (48h Daphnia magna; flow-through; a.i.) |  |  |  |
| ErC50 (algae)                            | 0.0044 mg/l (120h Selenastrum capricornutum)       |  |  |  |
| NOEC chronic fish                        | 0.099 mg/l (30d Pimephales promelas)               |  |  |  |
| NOEC chronic crustacea                   | 0.0044 mg/l (21d Daphnia magna)                    |  |  |  |
| PROPYLENE GLYCOL (57-55-6)               |  |  |  |  |
| LC50 fish 1                              | > 100 mg/l   |  |  |  |
| EC50 Daphnia 1                           | > 100 mg/l   |  |  |  |
| ErC50 (algae)                            | > 100 mg/l   |  |  |  |
| 1,2-benzisothiazol-3(2H)-one (2634-33-5) |  |  |  |  |
| LC50 fish 1                              | 1.3 mg/l   |  |  |  |
| EC50 Daphnia 1                           | 0.99 mg/l  |  |  |  |
| ErC50 (algae) 0.084 mg/l                 |  |  |  |  |
| NOEC chronic fish                        | 0.74 mg/l  |  |  |  |
| NOEC chronic crustacea                   | 0.7 mg/l   |  |  |  |
| NOEC chronic algae                       | 0.043 mg/l   |  |  |  |

| 12.2. Persistence and degradability |                                 |  |  |
|-------------------------------------|---------------------------------|--|--|
| dodine (2439-10-3)                  |                                 |  |  |
| Persistence and degradability       | Not readily biodegradable.      |  |  |
| PROPYLENE GLYCOL (57-55-6)          |                                 |  |  |
| Biochemical oxygen demand (BOD)     | 0.86 g O₂/g substance BOD5      |  |  |
| Chemical oxygen demand (COD)        | 1.585 g O₂/g substance          |  |  |
| 12.3. Bioaccumulative potential     |                                 |  |  |
| SYLLIT 400 SC                       |                                 |  |  |
| Log Pow                             | 0.96                            |  |  |
| dodine (2439-10-3)                  | dodine (2439-10-3)              |  |  |
| Log Pow                             | 1.25 - 1.33 (20°C pH=4.9 - 9.1) |  |  |
| PROPYLENE GLYCOL (57-55-6)          |                                 |  |  |
| Log Pow                             | -1                              |  |  |
| 12.4. Mobility in soil              |                                 |  |  |
| SYLLIT 400 SC                       |                                 |  |  |
| Surface tension                     | 27 mN/m (20°C)                  |  |  |
|                                     |                                 |  |  |

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| dodine (2439-10-3)                       |  |  |  |
|--|--|--|--|
| Surface tension                          | 50.6 mN/m (20°C)   |  |  |
| 12.5. Results of PBT and vPvB assessment |  |  |  |
| No additional information available      |  |  |  |
| 12.6. Other adverse effects              |  |  |  |
| No additional information available      |  |  |  |
| SECTION 13: Disposal considera           | ations   |  |  |
| 13.1. Waste treatment methods            |  |  |  |
| Regional legislation (waste)             | : Disposal must be done according to official regulations.   |  |  |
| Waste treatment methods                  | : Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. |  |  |
|  |  |  |  |

Additional information

: Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Notify authorities if product enters sewers or public waters.

| SECTION 14: Transport information   |  |   |  |  |  |
|---|--|---|--|--|--|
| In accordance with ADR / RID / IMDG / IATA / ADN  |  |   |  |  |  |
| ADR   | IMDG   | IATA  | ADN  | RID  |  |
| 14.1. UN number   |  |   |  |  |  |
| 2902  | 2902   | 2902  | 2902   | 2902   |  |
| 14.2. UN proper shippi  |  |   |  |  |  |
| PESTICIDE, LIQUID,<br>TOXIC, N.O.S. (Dodine)  | PESTICIDE, LIQUID,<br>TOXIC, N.O.S. (Dodine)   | Pesticide, liquid, toxic,<br>n.o.s. (Dodine)  | PESTICIDE, LIQUID,<br>TOXIC, N.O.S. (Dodine)   | PESTICIDE, LIQUID,<br>TOXIC, N.O.S. (Dodine)   |  |
| Transport document descr  |  | -   | -  |  |  |
| UN 2902 PESTICIDE,<br>LIQUID, TOXIC, N.O.S.<br>(Dodine), 6.1, III, (E),<br>ENVIRONMENTALLY<br>HAZARDOUS | UN 2902 PESTICIDE,<br>LIQUID, TOXIC, N.O.S.<br>(Dodine), 6.1, III, MARINE<br>POLLUTANT/ENVIRONM<br>ENTALLY HAZARDOUS | UN 2902 Pesticide, liquid,<br>toxic, n.o.s. (Dodine), 6.1,<br>III, ENVIRONMENTALLY<br>HAZARDOUS | UN 2902 PESTICIDE,<br>LIQUID, TOXIC, N.O.S.<br>(Dodine), 6.1, III,<br>ENVIRONMENTALLY<br>HAZARDOUS | UN 2902 PESTICIDE,<br>LIQUID, TOXIC, N.O.S.<br>(Dodine), 6.1, III,<br>ENVIRONMENTALLY<br>HAZARDOUS |  |
| 14.3. Transport hazard  | class(es)  |   |  | •  |  |
| 6.1   | 6.1  | 6.1   | 6.1  | 6.1  |  |
|   |  |   |  |  |  |
| 14.4. Packing group   |  |   |  |  |  |
| III   | III  | III   | III  | 111  |  |
| 14.5. Environmental hazards   |  |   |  |  |  |
| Dangerous for the environment : Yes   | Dangerous for the<br>environment : Yes<br>Marine pollutant : Yes   | Dangerous for the environment : Yes   | Dangerous for the environment : Yes  | Dangerous for the environment : Yes  |  |
|   | No s   | upplementary information ava  | ilable   |  |  |
| L   |  |   |  |  |  |

### 14.6. Special precautions for user

- Overland transport Classification code (ADR) : T6 Special provisions (ADR) : 61, 274, 648 Limited quantities (ADR) : 51 Excepted quantities (ADR) : E1 : P001, IBC03, LP01, R001 Packing instructions (ADR) : MP19 Mixed packing provisions (ADR) Portable tank and bulk container instructions : T7 (ADR) Portable tank and bulk container special : TP2, TP28 provisions (ADR) Tank code (ADR) : L4BH Tank special provisions (ADR) : TU15, TE19 Vehicle for tank carriage : AT Transport category (ADR) : 2 Special provisions for carriage - Packages : V12 (ADR)

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| according to Regulation (EC) No. 1907/2006 (REACH)                      |   |      |
|---|---|------|
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13, CV28  |      |
| Special provisions for carriage - Operation (ADR)                       | : S9  |      |
| Hazard identification number (Kemler No.)                               | : 60  |      |
| Orange plates   |   |      |
|   | <b>60</b>   |      |
|   | 2002  |      |
|   | 2902  |      |
| Tunnel restriction code   | : E   |      |
| EAC code  | : 2X  |      |
| APP code  | : B   |      |
|   |   |      |
| - Transport by sea  |   |      |
| Special provisions (IMDG)   | : 61, 223, 274  |      |
| Limited quantities (IMDG)   | : 5L  |      |
| Excepted quantities (IMDG)  | : E1  |      |
| Packing instructions (IMDG)   | : P001, LP01  |      |
| IBC packing instructions (IMDG)   | : IBC03   |      |
| Tank instructions (IMDG)  | : T7  |      |
| Tank special provisions (IMDG)  | : TP2, TP28   |      |
| EmS-No. (Fire)  | : F-A   |      |
| EmS-No. (Spillage)  | : S-A   |      |
| Stowage category (IMDG)   | : A   |      |
| Properties and observations (IMDG)                                      | : Liquid pesticides which present a very wide range of toxic hazard.?Miscibility with water |      |
|   | depends upon the composition.?Toxic if swallowed, by skin contact or by inhalation.         |      |
| - Air transport   |   |      |
| PCA Excepted quantities (IATA)  | : E1  |      |
| PCA Limited quantities (IATA)   | : Y642  |      |
| PCA limited quantity max net quantity (IATA)                            | : 2L  |      |
| PCA packing instructions (IATA)   | : 655   |      |
| PCA max net quantity (IATA)   | : 60L   |      |
| CAO packing instructions (IATA)   | : 663   |      |
| CAO max net quantity (IATA)   | : 220L  |      |
| Special provisions (IATA)   | : A3, A4  |      |
| ERG code (IATA)   | : 6L  |      |
|   |   |      |
| - Inland waterway transport   |   |      |
| Classification code (ADN)   | : T6  |      |
| Special provisions (ADN)  | : 61, 274, 648, 82  |      |
| Limited quantities (ADN)  | : 5L  |      |
| Excepted quantities (ADN)   | : E1  |      |
| Equipment required (ADN)  | : PP, EP, TOX, A  |      |
| Ventilation (ADN)   | : VE02  |      |
| Number of blue cones/lights (ADN)                                       | : 0   |      |
| - Rail transport  |   |      |
| Classification code (RID)   | : T6  |      |
| Special provisions (RID)  | : 61, 274, 648  |      |
| Limited quantities (RID)  | : 5L  |      |
| Excepted quantities (RID)   | : E1  |      |
| Packing instructions (RID)  | : P001, IBC03, LP01, R001   |      |
| Mixed packing provisions (RID)  | : MP19  |      |
|   |   |      |
| Portable tank and bulk container instructions (RID)                     | : T7  |      |
| Portable tank and bulk container special                                | : TP2, TP28   |      |
| provisions (RID)  |   |      |
| Tank codes for RID tanks (RID)  | : L4BH  |      |
| Special provisions for RID tanks (RID)                                  | : TU15  |      |
| Transport category (RID)  | : 2   |      |
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| Special provisions for carriage – Packages (RID)                        | : W12                                   |  |
|---|---|--|
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW28, CW31                      |  |
| Colis express (express parcels) (RID)                                   | : CE8, CE12                             |  |
| Hazard identification number (RID)                                      | : 60                                    |  |
| 14.7 Transport in bulk according to Ar                                  | max II of MARROL 72/78 and the IRC Code |  |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

| 3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008   | SYLLIT 400 SC - Ethoxylated oleil amine, dodecylbenzenesulphonic salt  |
|--|--|
| 3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 | SYLLIT 400 SC - dodine - 1,2-benzisothiazol-3(2H)-one - Ethoxylated<br>oleil amine, dodecylbenzenesulphonic salt |
| 3.c. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1   | SYLLIT 400 SC - dodine - 1,2-benzisothiazol-3(2H)-one - Ethoxylated<br>oleil amine, dodecylbenzenesulphonic salt |
| Contains no substance on the REACH candidate list  |  |

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### **SECTION 16: Other information**

| Indication of changes: |  |          |  |
|------------------------|--|----------|--|
|                        | Revision date                              | Modified |  |
|                        | Supersedes                                 | Modified |  |
| 2.2                    | EUH-statements                             | Modified |  |
| 3                      | Composition/informatio<br>n on ingredients | Modified |  |
| 12.1                   | EC50 Daphnia 1                             | Modified |  |

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

| cute Tox. 2 (Inhalation:dust,mist) |   |  |  |
|------------------------------------|---|--|--|
| cute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |  |  |
| quatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |  |  |
| quatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |  |  |
| quatic Chronic 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |  |  |
| ye Dam. 1                          | Serious eye damage/eye irritation, Category 1                     |  |  |
| kin Irrit. 2                       |   |  |  |
| kin Sens. 1                        |   |  |  |
| 302                                |   |  |  |
| 315                                |   |  |  |
| 317                                | May cause an allergic skin reaction                               |  |  |
| 318                                |   |  |  |
| 330                                |   |  |  |
| 331                                |   |  |  |
| 400                                |   |  |  |
| 410                                |   |  |  |
| 411                                |   |  |  |
| 330<br>331<br>400<br>410           |   |  |  |

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| EUH208  | Contains . May produce an allergic reaction  |                       |  |  |
|---|--|-----------------------|--|--|
| EUH401  | To avoid risks to human health and the environment, comply with the instructions for use |                       |  |  |
| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |  |                       |  |  |
| Acute Tox. 3 (Inhalation:dust,mist)   | H331   | On basis of test data |  |  |
| Skin Irrit. 2   | H315   | Expert judgment       |  |  |
| Eye Dam. 1  | H318   | Expert judgment       |  |  |
| Aquatic Acute 1   | H400   | On basis of test data |  |  |
| Aquatic Chronic 1   | H410   | Calculation method    |  |  |

#### SDS EU (REACH Annex II)

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