

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Trade name : ISOLA-GUARD<sup>®</sup> WB 510, Part B

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.2.1. Relevant identified uses**

Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Building and construction work

**1.2.2. Uses advised against**

No additional information available

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

Supplier:  
Isolatek International (Europe) Ltd.  
17 Wellington Street  
Ripley, Derbyshire  
DE5 3EH  
Toll Free: 1 800 631 9600  
[Reach@isolatek.com](mailto:Reach@isolatek.com)

**1.4. Emergency telephone number**

Emergency number : CHEMTREC 1 800 424 9300 (North America), +1 703 527 3887 (International)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

|   |      |
|---|------|
| Skin corrosion/irritation, Category 2                             | H315 |
| Serious eye damage/eye irritation, Category 2                     | H319 |
| Skin sensitisation, Category 1                                    | H317 |
| Hazardous to the aquatic environment — Chronic Hazard, Category 3 | H412 |

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

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

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Contains :

tetraethylenepentamine

Hazard statements (CLP) :

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P261 - Avoid breathing mist, spray, vapours.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, protective gloves, protective clothing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

**2.3. Other hazards**

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name  | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|-----------|---|
| Anquamine 401 (a modified tetraethylenepentamine adduct, curing agent for epoxy resins)       | CAS-No.: 180583-06-6  | 9 – 17    | Skin Sens. 1B, H317<br>Aquatic Chronic 2, H411  |
| TITANIUM DIOXIDE  | CAS-No.: 13463-67-7<br>EC-No.: 236-675-5                              | 10 - 30   | Carc. 2, H351   |
| Zinc oxide (ZnO)  | CAS-No.: 1314-13-2<br>EC-No.: 215-222-5<br>EC Index-No.: 030-013-00-7 | 5 - 10    | Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410  |
| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- | CAS-No.: 9046-10-0<br>EC-No.: 618-561-0                               | 0.5 – 1.7 | Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Inhalation:dust,mist), H331<br>Skin Corr. 1C, H314<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412             |
| 3,6,9-triazaundecamethylenediamine;<br>tetraethylenepentamine                                 | CAS-No.: 112-57-2<br>EC-No.: 203-986-2<br>EC Index-No.: 612-060-00-0  | 0.1 – 1.5 | Acute Tox. 4 (Dermal), H312<br>Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411                          |
| Ammonia<br>substance with a Community workplace exposure limit                                | CAS-No.: 7664-41-7<br>EC-No.: 231-635-3<br>EC Index-No.: 007-001-00-5 | < 0.001   | Flam. Gas 2, H221<br>Press. Gas<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Inhalation:gas), H331<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 |

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            | : IF exposed or concerned: Get medical advice/attention. Never give anything by mouth to an unconscious person.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Rinse immediately with plenty of water for 15 minutes. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  |
| First-aid measures after eye contact  | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if ill effect or irritation develops. |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice.  |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects after skin contact | : Causes skin irritation. May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | : Causes serious eye irritation.                               |

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Alcohol resistant foam. Carbon dioxide (CO2). Dry chemical. |
| Unsuitable extinguishing media | : Water.  |

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

|                  |  |
|------------------|--|
| Fire hazard      | : On combustion, forms: carbon oxides (CO and CO2). Nitrogen oxides. Chlorine. Gaseous ammonia. Nitrosamine. Nitric acid.        |
| Explosion hazard | : May decompose violently at high temperature and/or pressure or in the presence of a catalyst. Reacts violently with peroxides. |

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Hazardous decomposition products in case of fire : Thermal decomposition can lead to the release of irritating gases and vapours.

### **5.3. Advice for firefighters**

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protective equipment for firefighters : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## **SECTION 6: Accidental release measures**

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

General measures : Evacuate unnecessary personnel.

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

Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid breathing mist, spray, vapours.

#### **6.1.2. For emergency responders**

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

Emergency procedures : Ventilate area. Stop leak if safe to do so. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### **6.2. Environmental precautions**

Avoid release to the environment.

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

For containment : Collect spillage. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Keep in suitable, closed containers for disposal. Use appropriate container to avoid environmental contamination. Store away from other materials.

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

### **6.4. Reference to other sections**

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations".

## **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. Avoid contact with skin and eyes. Avoid breathing mist, spray, vapours. Take any precaution to avoid mixing with Incompatible materials.

Hygiene measures : Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

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

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store locked up.

Incompatible materials : Oxidizing agents. Organic acids. Mineral acids. Bases. Nitrosamine.

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

See Heading 1.

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

### **8.1. Control parameters**

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

| <b>TITANIUM DIOXIDE (13463-67-7)</b>              |   |
|---|---|
| <b>USA - ACGIH - Occupational Exposure Limits</b> |   |
| Local name  | Titanium dioxide  |
| ACGIH OEL TWA                                     | 10 mg/m <sup>3</sup>  |
| Remark (ACGIH)                                    | TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference                              | ACGIH 2021  |

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| <b>Kaolin (1332-58-7)</b>                                 |  |
|---|--|
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Kaolin   |
| ACGIH OEL TWA   | 2 mg/m <sup>3</sup> (E - The value is for particulate matter containing no asbestos and < 1 % crystalline silica, R - Respirable particulate matter) |
| Remark (ACGIH)  | TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)   |
| ACGIH chemical category                                   | Not Classifiable as a Human Carcinogen   |
| Regulatory reference                                      | ACGIH 2021   |
| <b>Carbon Black (1333-86-4)</b>                           |  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Carbon black   |
| ACGIH OEL TWA   | 3 mg/m <sup>3</sup> (inhalable particulate matter)   |
| Remark (ACGIH)  | TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)   |
| ACGIH chemical category                                   | Confirmed Animal Carcinogen with Unknown Relevance to Humans   |
| Regulatory reference                                      | ACGIH 2021   |
| <b>Ammonia (7664-41-7)</b>                                |  |
| <b>EU - Indicative Occupational Exposure Limit (IOEL)</b> |  |
| Local name  | Ammonia, anhydrous   |
| IOEL TWA  | 14 mg/m <sup>3</sup>   |
| IOEL STEL   | 36 mg/m <sup>3</sup>   |
| IOEL STEL [ppm]   | 50 ppm   |
| Regulatory reference                                      | COMMISSION DIRECTIVE 2000/39/EC  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Ammonia  |
| ACGIH OEL TWA [ppm]                                       | 25 ppm   |
| ACGIH OEL STEL [ppm]                                      | 35 ppm   |
| Remark (ACGIH)  | TLV® Basis: Eye dam; URT irr   |
| Regulatory reference                                      | ACGIH 2021   |
| <b>Iron oxide (Fe2O3) (1309-37-1)</b>                     |  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| Local name  | Iron oxide (Fe2O3)   |
| ACGIH OEL TWA   | 5 mg/m <sup>3</sup> (R - Respirable particulate matter)  |
| Remark (ACGIH)  | TLV® Basis: Pneumoconiosis. Notations: A4 (Not classifiable as a Human Carcinogen)   |
| ACGIH chemical category                                   | Not Classifiable as a Human Carcinogen   |
| Regulatory reference                                      | ACGIH 2021   |
| <b>ammonia ....% (1336-21-6)</b>                          |  |
| <b>USA - ACGIH - Occupational Exposure Limits</b>         |  |
| ACGIH OEL TWA [ppm]                                       | 25 ppm   |
| ACGIH OEL STEL [ppm]                                      | 35 ppm   |

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| Zinc oxide (ZnO) (1314-13-2)               |  |
|--|--|
| USA - ACGIH - Occupational Exposure Limits |  |
| Local name                                 | Zinc oxide   |
| ACGIH OEL TWA                              | 2 mg/m <sup>3</sup> (R - Respirable particulate matter)  |
| ACGIH OEL STEL                             | 10 mg/m <sup>3</sup> (R - Respirable particulate matter) |
| ACGIH OEL C                                | 10 mg/m <sup>3</sup> respirable fraction                 |
| Remark (ACGIH)                             | TLV® Basis: Metal fume fever                             |
| Regulatory reference                       | ACGIH 2021   |

### 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

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Chemical goggles or safety glasses. EN 166

#### 8.2.2.2. Skin protection

##### Hand protection:

Wear suitable gloves resistant to chemical penetration. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. EN 374

#### Other skin protection

##### Materials for protective clothing:

Long sleeved protective clothing

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator

#### 8.2.2.4. Thermal hazards

No additional information available

### 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         | : Tan. Grey.               |
| Appearance     | : Cloudy. Opaque. Viscous. |
| Odour          | : Slight.                  |

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|   |                  |
|---|------------------|
| Odour threshold                                 | : Not available  |
| Melting point                                   | : Not available  |
| Freezing point                                  | : Not available  |
| Boiling point                                   | : Not available  |
| Flammability                                    | : Not available  |
| Explosive limits                                | : Not available  |
| Lower explosive limit (LEL)                     | : Not available  |
| Upper explosive limit (UEL)                     | : Not available  |
| Flash point                                     | : Not available  |
| Auto-ignition temperature                       | : Not available  |
| Decomposition temperature                       | : Not available  |
| pH  | : Not available  |
| Viscosity, kinematic                            | : Not available  |
| Solubility                                      | : Not available  |
| Partition coefficient n-octanol/water (Log Kow) | : Not available  |
| Vapour pressure                                 | : Not available  |
| Vapour pressure at 50 °C                        | : Not available  |
| Density   | : 1.4 – 1.7      |
| Relative density                                | : Not available  |
| Relative vapour density at 20 °C                | : Not available  |
| Particle size                                   | : Not applicable |
| Particle size distribution                      | : Not applicable |
| Particle shape                                  | : Not applicable |
| Particle aspect ratio                           | : Not applicable |
| Particle aggregation state                      | : Not applicable |
| Particle agglomeration state                    | : Not applicable |
| Particle specific surface area                  | : Not applicable |
| Particle dustiness                              | : Not applicable |

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts violently with peroxides.

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Do not store in aluminium, galvanized or other corrodable containers.

### 10.5. Incompatible materials

Oxidizing agents. Organic acids. Mineral acids. Bases. Nitrosamine

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Chlorine. Gaseous ammonia. Nitrosamine. Nitric acid.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met) |

| Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)- (9046-10-0) |                                  |
|---|----------------------------------|
| LD50 oral rat   | 242 mg/kg                        |
| LD50 dermal rabbit  | 2980 mg/kg                       |
| LC50 Inhalation - Rat   | > 0.74 mg/l (Exposure time: 8 h) |

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| <b>Ammonia (7664-41-7)</b>        |  |
|-----------------------------------|--|
| LD50 oral rat                     | 350 mg/kg                                    |
| LC50 Inhalation - Rat             | 13770 mg/m <sup>3</sup> (Exposure time: 1 h) |
| LC50 Inhalation - Rat (Dust/Mist) | 5100 mg/l                                    |

| <b>Zinc oxide (ZnO) (1314-13-2)</b> |  |
|-------------------------------------|--|
| LD50 oral rat                       | > 5000 mg/kg   |
| LD50 dermal rat                     | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat               | > 5700 mg/m <sup>3</sup> (Exposure time: 4 h)  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes skin irritation.  |
| Serious eye damage/irritation     | : Causes serious eye irritation.   |
| Respiratory or skin sensitisation | : May cause an allergic skin reaction.   |
| Germ cell mutagenicity            | : Not classified (Based on available data, the classification criteria are not met)  |
| Carcinogenicity                   | : Not classified. (Based on available data, the classification criteria are not met) |
| Additional information            | : Titanium dioxide is in a form that is not available for respiration                |

| <b>TITANIUM DIOXIDE (13463-67-7)</b> |                                      |
|--------------------------------------|--------------------------------------|
| IARC group                           | 2B - Possibly carcinogenic to humans |

| <b>Ammonia (7664-41-7)</b>                    |   |
|---|---|
| NOAEL (chronic, oral, animal/male, 2 years)   | 256 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information)   |
| NOAEL (chronic, oral, animal/female, 2 years) | 284 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:Effect type: toxicity (migrated information) |

|                        |   |
|------------------------|---|
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure   | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |

| <b>Zinc oxide (ZnO) (1314-13-2)</b> |   |
|-------------------------------------|---|
| LOAEL (dermal, rat/rabbit, 90 days) | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)   |
| NOAEL (oral, rat, 90 days)          | 31.52 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

|                   |   |
|-------------------|---|
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
|-------------------|---|

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

|  |                                       |
|--|---------------------------------------|
| Adverse health effects caused by endocrine disrupting properties | : No additional information available |
|--|---------------------------------------|

#### 11.2.2. Other information

|                   |  |
|-------------------|--|
| Other information | : Likely routes of exposure: ingestion, inhalation, skin and eye |
|-------------------|--|

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |   |
|---|---|
| Ecology - general   | : Harmful to aquatic life with long lasting effects.                                |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects.                                |

| <b>Ammonia (7664-41-7)</b> |  |
|----------------------------|--|
| LC50 - Fish [1]            | 0.44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio) |

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| <b>Ammonia (7664-41-7)</b>          |  |
|-------------------------------------|--|
| LC50 - Fish [2]                     | 0.26 – 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)       |
| EC50 - Crustacea [1]                | 25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)                   |
| EC50 - Other aquatic organisms [1]  | 25.4 mg/l waterflea  |
| LOEC (chronic)                      | 1.3 mg/l Test organisms (species): Daphnia magna Duration: '96 h'          |
| NOEC (chronic)                      | 0.79 mg/l Test organisms (species): Daphnia magna Duration: '96 h'         |
| NOEC chronic fish                   | 1.2 mg/l Test organisms (species): Oncorhynchus gorbuscha Duration: '61 d' |
| <b>Zinc oxide (ZnO) (1314-13-2)</b> |  |
| LC50 - Fish [1]                     | 1.55 mg/l (Exposure time: 96 h - Species: Danio rerio [static])            |
| NOEC chronic algae                  | 0.0299 mg/l  |

### **12.2. Persistence and degradability**

No additional information available

### **12.3. Bioaccumulative potential**

No additional information available

### **12.4. Mobility in soil**

No additional information available

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

No additional information available

### **12.6. Endocrine disrupting properties**

No additional information available

### **12.7. Other adverse effects**

Additional information : Avoid release to the environment.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Ecology - waste materials : Avoid release to the environment.

## **SECTION 14: Transport information**

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

| <b>ADR</b>                              | <b>IMDG</b>   | <b>IATA</b>   | <b>ADN</b>    | <b>RID</b>    |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID 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



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### Air transport

Not regulated

### Inland waterway transport

Not regulated

### Rail transport

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1\%$  / SCL

Contains no REACH Annex XIV substances in concentration  $\geq$  to the Annex XIV limit values

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) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

WGK remark : Most stringent classification due to insufficient data

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen –

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Abbreviations and acronyms:

|     |   |
|-----|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE | Acute Toxicity Estimate   |
| BCF | Bioconcentration factor   |
| BLV | Biological limit value  |
| BOD | Biochemical oxygen demand (BOD)   |
| COD | Chemical oxygen demand (COD)  |

# ISOLA-GUARD® WB 510, Part B

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: |  |
|-----------------------------|--|
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

Sources of Key data : 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. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3              |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 3 (Inhalation:gas)       | Acute toxicity (inhalation:gas) Category 3       |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                |

# ISOLA-GUARD® WB 510, Part B

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4                               |
| 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 2                   | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 3                   | Hazardous to the aquatic environment — Chronic Hazard, Category 3 |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                                     |
| Carc. 2                             | Carcinogenicity, Category 2                                       |
| Flam. Gas 2                         | Flammable gases, Category 2                                       |
| H221                                | Flammable gas.  |
| H301                                | Toxic if swallowed.   |
| H302                                | Harmful if swallowed.   |
| H304                                | May be fatal if swallowed and enters airways.                     |
| H312                                | Harmful in contact with skin.                                     |
| H314                                | Causes severe skin burns and eye damage.                          |
| H315                                | Causes skin irritation.   |
| H317                                | May cause an allergic skin reaction.                              |
| H319                                | Causes serious eye irritation.                                    |
| H331                                | Toxic if inhaled.   |
| H351                                | Suspected of causing cancer.                                      |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| H411                                | Toxic to aquatic life with long lasting effects.                  |
| H412                                | Harmful to aquatic life with long lasting effects.                |
| Press. Gas                          | Gases under pressure  |
| Skin Corr. 1B                       | Skin corrosion/irritation, Category 1, Sub-Category 1B            |
| Skin Corr. 1C                       | Skin corrosion/irritation, Category 1, Sub-Category 1C            |
| Skin Sens. 1                        | Skin sensitisation, Category 1                                    |
| Skin Sens. 1B                       | Skin sensitisation, category 1B                                   |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]: |      |                    |
|---|------|--------------------|
| Skin Irrit. 2   | H315 | Calculation method |
| Eye Irrit. 2  | H319 | Calculation method |
| Skin Sens. 1  | H317 | Calculation method |
| Aquatic Chronic 3   | H412 | Calculation method |

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.