

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

### 1.1. Product identifier

|               |                |
|---------------|----------------|
| Product form  | : Mixture      |
| Product name  | : Advantage 20 |
| Product code  | : R262/10      |
| Product group | : End product  |

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

#### 1.2.1. Relevant identified uses

|                              |                                                |
|------------------------------|------------------------------------------------|
| Main use category            | : Consumer use,Industrial use,Professional use |
| Use of the substance/mixture | : Brush on Roof Coating                        |

#### 1.2.2. Uses advised against

No additional information available

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

ALL TIMES COATINGS LTD  
UNITS 17/A NAILSWORTH MILLS ESTATE  
NAILSWORTH  
GLOUCESTERSHIRE  
GL6 0BS +44 (0)1453 872850

### 1.4. Emergency telephone number

|                  |                                          |
|------------------|------------------------------------------|
| Emergency number | : +44(0)1453 872850<br>Office Hours Only |
|------------------|------------------------------------------|

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to GB CLP (SI 2019:720 as amended)

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 GB CLP (SI 2019:720 as amended)

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary statements (GB CLP) | : P101 - If medical advice is needed, have product container or label at hand.<br>P102 - Keep out of reach of children.<br>P262 - Do not get in eyes, on skin, or on clothing.<br>P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P332+P313 - If skin irritation occurs: Get medical advice or attention.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice or attention.<br>P314 - Get medical advice or attention, if you feel unwell. |
| EUH-statements (GB CLP)           | : EUH208 - Contains TRIMETHOXYVINYLSILANE (2768-02-7). May produce an allergic reaction.<br>EUH210 - Safety data sheet available on request.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

| Component                                                                                        |                                                                                                 |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII  | TRIMETHOXYVINYLSILANE (2768-02-7), TITANIUM DIOXIDE (13463-67-7), CALCIUM CARBONATE (1317-65-3) |
| Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII | TRIMETHOXYVINYLSILANE (2768-02-7), TITANIUM DIOXIDE (13463-67-7), CALCIUM CARBONATE (1317-65-3) |

#### Results of Endocrine Disruptor assessment

| Component                                                                                                                                                                                                                                                                                                         |                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP | CALCIUM CARBONATE(1317-65-3), TITANIUM DIOXIDE(13463-67-7), TRIMETHOXYVINYLSILANE(2768-02-7) |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                            | Product identifier                                                                                  | %           | Classification according to GB CLP (SI 2019:720 as amended)                                                                 |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------|
| CALCIUM CARBONATE<br>substance with workplace exposure limit(s) | CAS-No.: 1317-65-3                                                                                  | 21 – 30     | Not classified                                                                                                              |
| TITANIUM DIOXIDE<br>substance with workplace exposure limit(s)  | CAS-No.: 13463-67-7<br>EC-No.: 236-675-5<br>REACH-no: 01-2119489379-17                              | 4.99 – 9.99 | Carc. 2, H351                                                                                                               |
| TRIMETHOXYVINYLSILANE                                           | CAS-No.: 2768-02-7<br>EC-No.: 220-449-8<br>UK Index-No.: 014-049-00-0<br>REACH-no: 01-2119513215-52 | 0.98 – 1.99 | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h)<br>Skin Sens. 1B, H317<br>STOT RE 2, H373 |

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            | : Get medical advice/attention if you feel unwell.                                                                                 |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.                                                                   |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                                                                  |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                                           |
| First-aid measures after ingestion    | : Call a poison center or a doctor if you feel unwell.                                                                             |
| Self protection of the first-aiders   | : First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8). |

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

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

|                                     |                                                                              |
|-------------------------------------|------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction.                                       |
| Symptoms/effects after eye contact  | : redness, itching, tears, stinging.                                         |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract. Abdominal pain, nausea.       |

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

Treat symptomatically. Ensure eye bath is to hand.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                                         |

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Fire hazard                                      | : No fire hazard.              |
| Explosion hazard                                 | : No direct explosion hazard.  |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : 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 | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.<br>Absorb spillage to prevent material damage. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment. |
| Emergency procedures | : Ventilate spillage area.                        |

#### 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". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |

### 6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses.

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

|                         |                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. Absorb spilled material with sand or earth.                         |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Collect spillage. Collect leaking and spilled liquid in sealable containers as far as possible. Notify authorities if product enters sewers or public waters. |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                                               |

### 6.4. Reference to other sections

See Section 8. For further information refer to section 13.

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                                   |                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.          |
| Precautions for safe handling     | : Ensure good ventilation of the work station. Wear personal protective equipment.                  |
| 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

|                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| Technical measures         | : Keep in a cool, well-ventilated place away from heat.                     |
| Storage conditions         | : Keep cool. Keep container tightly closed.                                 |
| Storage area               | : Store in a well-ventilated place.                                         |
| Special rules on packaging | : Keep only in original container.                                          |
| Packaging materials        | : Always store product in container of same material as original container. |

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

Brush on Roof Coating.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

| TITANIUM DIOXIDE (13463-67-7)                 |                                                                        |
|-----------------------------------------------|------------------------------------------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                                                        |
| Local name                                    | Titanium dioxide                                                       |
| WEL TWA (OEL TWA)                             | 4 mg/m <sup>3</sup> respirable<br>10 mg/m <sup>3</sup> total inhalable |
| WEL STEL (OEL STEL)*                          | 12 mg/m <sup>3</sup>                                                   |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE                                  |
|                                               | *STEL value is calculated based on the TWA limit                       |
| CALCIUM CARBONATE (1317-65-3)                 |                                                                        |
| United Kingdom - Occupational Exposure Limits |                                                                        |
| Local name                                    | Calcium carbonate (Limestone, Marble)                                  |
| WEL TWA (OEL TWA)                             | 10 mg/m <sup>3</sup> total inhalable<br>4 mg/m <sup>3</sup> respirable |
| WEL STEL (OEL STEL)*                          | 30 mg/m <sup>3</sup>                                                   |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE                                  |
|                                               | *STEL value is calculated based on the TWA limit                       |

##### 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

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### 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:**

Wear recommended personal protective equipment.

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



##### 8.2.2.1. Eye and face protection

**Eye protection:**

Safety glasses

##### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

**Hand protection:**

Protective gloves

##### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Physical state                                  | : Liquid                       |
| Colour                                          | : Goosewing Grey.              |
| Odour                                           | : Not available                |
| Odour threshold                                 | : Not available                |
| pH                                              | : Not available                |
| Melting point                                   | : Not applicable               |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flash point                                     | : Not available                |
| Flammability                                    | : No data available            |
| Explosive limits                                | : Not available                |
| Vapour pressure                                 | : Not available                |
| Vapour pressure at 50°C                         | : Not available                |
| Relative vapour density at 20°C                 | : Not available                |
| Relative density                                | : 1.14                         |
| Density                                         | : Not available                |
| Solubility                                      | : Material insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Auto-ignition temperature                       | : Not available                |
| Decomposition temperature                       | : Not available                |
| Viscosity, kinematic                            | : Not available                |

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

Explosive properties : Not available

### 9.2. Other information

Particle characteristics : Not applicable

## 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

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Heat.

### 10.5. Incompatible materials

basic substances and acids. Reaction causes the formation of ethanol. water.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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)

#### TITANIUM DIOXIDE (13463-67-7)

|                       |                     |
|-----------------------|---------------------|
| LD50 oral rat         | > 5000 mg/kg bw/day |
| LD50 dermal rabbit    | > 10000 mg/kg       |
| LC50 Inhalation - Rat | > 6.82 mg/l         |

#### CALCIUM CARBONATE (1317-65-3)

|               |              |
|---------------|--------------|
| LD50 oral rat | > 5000 mg/kg |
|---------------|--------------|

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

#### TITANIUM DIOXIDE (13463-67-7)

|    |                |
|----|----------------|
| pH | 7 Source: ECHA |
|----|----------------|

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

#### TITANIUM DIOXIDE (13463-67-7)

|    |                |
|----|----------------|
| pH | 7 Source: ECHA |
|----|----------------|

Respiratory or skin sensitisation : Skin sensitization: Not classified (Based on available data, the classification criteria are not met). Respiratory sensitization: Not classified (Based on available data, the classification criteria are not met).

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).

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### TITANIUM DIOXIDE (13463-67-7)

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| IARC group             | 2B - Possibly carcinogenic to humans                                                |
| 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) |

### TRIMETHOXYVINYLSILANE (2768-02-7)

|                            |                                                                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NOAEL (oral, rat, 90 days) | 62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |
| Aspiration hazard          | : Not classified (Based on available data, the classification criteria are not met)                                                                                    |

### TRIMETHOXYVINYLSILANE (2768-02-7)

|                      |                                                                     |
|----------------------|---------------------------------------------------------------------|
| Viscosity, kinematic | 0.7 mm²/s Temp.: '20°C' Parameter: 'kinematic viscosity (in mm²/s)' |
|----------------------|---------------------------------------------------------------------|

### Other information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| Ecology - general                                         | : No data available.                                                                |
| 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) | : Not classified (Based on available data, the classification criteria are not met) |

### TRIMETHOXYVINYLSILANE (2768-02-7)

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | > 92.2 mg/l Test organisms (species): Oryzias latipes                                                 |
| EC50 - Crustacea [1] | 168.7 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 72h - Algae [1] | > 957 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| LOEC (chronic)       | 52.4 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                    |
| NOEC (chronic)       | 28.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                    |

### TITANIUM DIOXIDE (13463-67-7)

|                      |                        |
|----------------------|------------------------|
| LC50 - Fish [1]      | > 100 mg/l             |
| EC50 - Crustacea [1] | > 1000 mg/l            |
| EC50 72h - Algae [1] | > 50 mg/l Source: ECHA |

### CALCIUM CARBONATE (1317-65-3)

|                                    |                           |
|------------------------------------|---------------------------|
| LC50 - Fish [2]                    | > 10000 mg/l              |
| EC50 - Other aquatic organisms [1] | > 1000 mg/l               |
| EC50 72h - Algae [1]               | 289 mg/l                  |
| NOEC chronic algae                 | 75 mg/l Exposure Time 72H |

### 12.2. Persistence and degradability

#### Advantage 20

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### TRIMETHOXYVINYLSILANE (2768-02-7)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### TITANIUM DIOXIDE (13463-67-7)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### CALCIUM CARBONATE (1317-65-3)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

## 12.3. Bioaccumulative potential

### Advantage 20

|                           |                                    |
|---------------------------|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |
|---------------------------|------------------------------------|

### TRIMETHOXYVINYLSILANE (2768-02-7)

|                                                 |                                          |
|-------------------------------------------------|------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.82 Source: ECHA Registered substances |
|-------------------------------------------------|------------------------------------------|

## 12.4. Mobility in soil

### Advantage 20

|                |                    |
|----------------|--------------------|
| Ecology - soil | No data available. |
|----------------|--------------------|

## 12.5. Results of PBT and vPvB assessment

### Component

|                                   |                                                                                                                                                                       |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TRIMETHOXYVINYLSILANE (2768-02-7) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| TITANIUM DIOXIDE (13463-67-7)     | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| CALCIUM CARBONATE (1317-65-3)     | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII<br>This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |

## 12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                                                                           |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                                                                              |
| Product/Packaging disposal recommendations | : Disposal of this packaging should at all times comply with the waste disposal legislation and any regional local authority requirements.                                                                                              |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                       |
| Ecological waste information               | : The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself. |

## SECTION 14: Transport information

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



# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|-----------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |               |               |
| Not regulated for transport             |               |               |               |               |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>Transport document description</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. National regulations

##### UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

##### UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

##### UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC).

##### GB PIC Regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

### Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

### Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

### Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

### 15.1.2. Other Information

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ACGIH                       | American Conference of Governmental Industrial Hygienists                                       |
| 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)                                                                 |
| CAS-No.                     | Chemical Abstracts Service number                                                               |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD                         | Chemical oxygen demand (COD)                                                                    |
| CSA                         | Chemical safety assessment                                                                      |
| DMEL                        | Derived Minimal Effect level                                                                    |
| DNEL                        | Derived-No Effect Level                                                                         |
| EC-No.                      | European Community number                                                                       |
| EC50                        | Median effective concentration                                                                  |
| ED                          | Endocrine disruptor                                                                             |
| EN                          | European Standard                                                                               |
| EWC                         | European waste catalogue                                                                        |
| 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                                                            |
| Log Kow                     | Partition coefficient n-octanol/water (Log Kow)                                                 |
| Log Pow                     | Partition coefficient n-octanol/water (Log Pow)                                                 |

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

### Abbreviations and acronyms:

|        |                                                                              |
|--------|------------------------------------------------------------------------------|
| MAK    | maximum workplace concentration                                              |
| NOAEC  | No-Observed Adverse Effect Concentration                                     |
| NOAEL  | No-Observed Adverse Effect Level                                             |
| NOEC   | No-Observed Effect Concentration                                             |
| N.O.S. | Not Otherwise Specified                                                      |
| OECD   | Organisation for Economic Co-operation and Development                       |
| OEL    | Occupational Exposure Limit                                                  |
| OSHA   | Occupational Safety Health Administration                                    |
| PBT    | Persistent Bioaccumulative Toxic                                             |
| PNEC   | Predicted No-Effect Concentration                                            |
| PPE    | Personal protection equipment                                                |
| RID    | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS    | Safety Data Sheet                                                            |
| STP    | Sewage treatment plant                                                       |
| TF     | Technical function                                                           |
| ThOD   | Theoretical oxygen demand (ThOD)                                             |
| TLM    | Median Tolerance Limit                                                       |
| TWA    | Time Weighted Average                                                        |
| VOC    | Volatile Organic Compounds                                                   |
| vPvB   | Very Persistent and Very Bioaccumulative                                     |
| UFI    | Unique Formula Identifier                                                    |

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

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4                    |
| Acute Tox. 4 (Oral)       | Acute toxicity (oral), Category 4                      |
| Eye Dam. 1                | Serious eye damage/eye irritation, Category 1          |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2          |
| Flam. Liq. 3              | Flammable liquids, Category 3                          |
| Skin Corr. 1B             | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2                  |
| Skin Sens. 1B             | Skin sensitisation, category 1B                        |
| H226                      | Flammable liquid and vapour.                           |
| H302                      | Harmful if swallowed.                                  |
| 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.                         |
| H332                      | Harmful if inhaled.                                    |

# Advantage 20

## Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006, as retained and amended in UK law.

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

|        |                                                                                                                                       |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|
| EUH208 | Contains 3-AMINOPROPYLTRIETHOXYSILANE (919-30-2) ([ATP 13]), TRIMETHOXYVINYL SILANE (2768-02-7).<br>May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request.                                                                                               |

Safety Data Sheet (SDS), UK

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.