



## SAFETY DATA SHEET

### 24006 EDICOL ASH BROWN V2

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

##### 1.1. Product identifier

|                          |                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------|
| Product name             | 24006 EDICOL ASH BROWN V2                                                                                  |
| Product number           | 52916                                                                                                      |
| REACH registration notes | This product is not classified as hazardous, the information in this datasheet is given for guidance only. |

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

|                 |     |
|-----------------|-----|
| Identified uses | Dye |
|-----------------|-----|

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

|          |                                                                                                                                                                     |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplier | Univar Solutions UK Ltd<br>Aquarius House<br>6 Mid Point Business Park<br>Bradford<br>BD3 7AY<br>+44 1274 267300<br>+44 1274 267306<br>SDS.EMEA@univarsolutions.com |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### 1.4. Emergency telephone number

|                     |                                |
|---------------------|--------------------------------|
| Emergency telephone | SGS - +32 (0)3 575 55 55 (24h) |
| Sds No.             | 52916                          |

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

|                       |                |
|-----------------------|----------------|
| Physical hazards      | Not Classified |
| Health hazards        | Not Classified |
| Environmental hazards | Not Classified |

##### 2.2. Label elements

|                   |                   |
|-------------------|-------------------|
| Hazard statements | NC Not Classified |
|-------------------|-------------------|

##### 2.3. Other hazards

Dust may form explosive mixture with air. This product does not contain any substances classified as PBT or vPvB. The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

## 24006 EDICOL ASH BROWN V2

|                                                                                                                                                               |                      |                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|
| <b>CALCIUM CARBONATE</b>                                                                                                                                      |                      | <b>30-60%</b>                                    |
| CAS number: 471-34-1                                                                                                                                          | EC number: 207-439-9 | REACH registration number: 01-2119486795-18-XXXX |
| Acute Toxicity Estimate (oral):> 2000 mg/kg<br>Acute Toxicity Estimate (dermal):> 2000 mg/kg<br>Acute Toxicity Estimate (inhalation):> 3 mg/l4 hoursDust/Mist |                      |                                                  |
| <b>Classification</b><br>Not Classified                                                                                                                       |                      |                                                  |

|                                           |                      |                                                  |
|-------------------------------------------|----------------------|--------------------------------------------------|
| <b>TRIIRON TETRAOXIDE</b>                 |                      | <b>30-60%</b>                                    |
| CAS number: 1317-61-9                     | EC number: 215-277-5 | REACH registration number: 01-2119457646-28-XXXX |
| Acute Toxicity Estimate (oral):5000 mg/kg |                      |                                                  |
| <b>Classification</b><br>Not Classified   |                      |                                                  |

|                                              |                      |                                                  |
|----------------------------------------------|----------------------|--------------------------------------------------|
| <b>RED IRON OXIDE</b>                        |                      | <b>5-10%</b>                                     |
| CAS number: 1309-37-1                        | EC number: 215-168-2 | REACH registration number: 01-2119457614-35-XXXX |
| Acute Toxicity Estimate (oral):> 10000 mg/kg |                      |                                                  |
| <b>Classification</b><br>Not Classified      |                      |                                                  |

|                                             |                      |                                                  |
|---------------------------------------------|----------------------|--------------------------------------------------|
| <b>IRON HYDROXIDE OXIDE YELLOW</b>          |                      | <b>1-5%</b>                                      |
| CAS number: 51274-00-1                      | EC number: 257-098-5 | REACH registration number: 01-2119457554-33-XXXX |
| Acute Toxicity Estimate (oral):> 5000 mg/kg |                      |                                                  |
| <b>Classification</b><br>Not Classified     |                      |                                                  |

The full text for all hazard statements is displayed in Section 16.

|                                 |                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>             | 24006 EDICOL ASH BROWN V2                                                                                  |
| <b>REACH registration notes</b> | This product is not classified as hazardous, the information in this datasheet is given for guidance only. |
| <b>Composition comments</b>     | The data shown are in accordance with the latest EC Directives.                                            |

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

|                   |                                                                                                                                                                                          |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b> | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if any discomfort continues. |
| <b>Ingestion</b>  | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately.                                                                                            |

## 24006 EDICOL ASH BROWN V2

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin contact</b> | After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if any discomfort continues.                       |
| <b>Eye contact</b>  | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues. |

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

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| <b>Eye contact</b> | Solid particles trapped behind the eyelid may cause abrasive damage. |
|--------------------|----------------------------------------------------------------------|

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

|                             |                                                                     |
|-----------------------------|---------------------------------------------------------------------|
| <b>Notes for the doctor</b> | Treat symptomatically. If in doubt, get medical attention promptly. |
|-----------------------------|---------------------------------------------------------------------|

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>   | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
| <b>Unsuitable extinguishing media</b> | Do not use water jet as an extinguisher, as this will spread the fire.           |

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

|                                      |                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific hazards</b>              | Dust may form explosive mixture with air. When heated and in case of fire, toxic vapours/gases may be formed.                                |
| <b>Hazardous combustion products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon. |

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

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective actions during firefighting</b>        | No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Do not use water jet as an extinguisher, as this will spread the fire. Contain and collect extinguishing water. Avoid the spillage or runoff entering drains, sewers or watercourses. Evacuate area. |
| <b>Special protective equipment for firefighters</b> | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.                                                                                                                                                                                                                                                                                                          |

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

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

|                             |                                                                                                                                                                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b> | Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes. |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **6.2. Environmental precautions**

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                |                                                                                                                                                                                                                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for cleaning up</b> | Stop leak if safe to do so. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

## 24006 EDICOL ASH BROWN V2

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust and contact with skin and eyes.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **CALCIUM CARBONATE**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

##### **TRIIRON TETRAOXIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> fume

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> fume

as Fe

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

##### **RED IRON OXIDE**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> fume

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> fume

as Fe

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

##### **IRON HYDROXIDE OXIDE YELLOW**

Long-term exposure limit (8-hour TWA): WEL 4 mg/m<sup>3</sup> respirable dust

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup> fume

Short-term exposure limit (15-minute): WEL 10 mg/m<sup>3</sup> fume

as Fe

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> inhalable dust

WEL = Workplace Exposure Limit.

**Ingredient comments** Observe any occupational exposure limits for the product or ingredients.

#### **CALCIUM CARBONATE (CAS: 471-34-1)**

**Ingredient comments** WEL = Workplace Exposure Limits

## 24006 EDICOL ASH BROWN V2

|      |                                                                         |
|------|-------------------------------------------------------------------------|
| DNEL | Workers - Inhalation; Long term local effects: 4.26 mg/m <sup>3</sup>   |
|      | Consumer - Inhalation; Long term local effects: 1.06 mg/m <sup>3</sup>  |
|      | Workers - Inhalation; Long term systemic effects: 10 mg/m <sup>3</sup>  |
|      | Consumer - Inhalation; Long term systemic effects: 10 mg/m <sup>3</sup> |
|      | Consumer - Oral; Long term systemic effects: 6.1 mg/kg/day              |
|      | Consumer - Oral; Short term systemic effects: 6.1 mg/kg/day             |

|      |               |
|------|---------------|
| PNEC | STP; 100 mg/l |
|------|---------------|

### TRIIRON TETRAOXIDE (CAS: 1317-61-9)

|      |                                                                     |
|------|---------------------------------------------------------------------|
| DNEL | Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup> |
|------|---------------------------------------------------------------------|

### RED IRON OXIDE (CAS: 1309-37-1)

|      |                                                                     |
|------|---------------------------------------------------------------------|
| DNEL | Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup> |
|------|---------------------------------------------------------------------|

### IRON HYDROXIDE OXIDE YELLOW (CAS: 51274-00-1)

|      |                                                                     |
|------|---------------------------------------------------------------------|
| DNEL | Workers - Inhalation; Long term local effects: 10 mg/m <sup>3</sup> |
|------|---------------------------------------------------------------------|

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Dust-resistant, chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374.

### Other skin and body protection

Wear appropriate clothing to prevent skin contamination.

### Hygiene measures

When using do not eat, drink or smoke. Wash at the end of each work shift and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.

### Respiratory protection

Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

## 24006 EDICOL ASH BROWN V2

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

|                                              |                           |
|----------------------------------------------|---------------------------|
| Appearance                                   | Powder.                   |
| Colour                                       | Dark brown.               |
| Odour                                        | No information available. |
| Odour threshold                              | No information available. |
| pH                                           | No information available. |
| Melting point                                | No information available. |
| Pour Point                                   | No information available. |
| Freezing Point                               | No information available. |
| Initial boiling point and range              | No information available. |
| Flash point                                  | No information available. |
| Evaporation rate                             | No information available. |
| Evaporation factor                           | No information available. |
| Flammability (solid, gas)                    | No information available. |
| Upper/lower flammability or explosive limits | No information available. |
| Other flammability                           | No information available. |
| Vapour pressure                              | No information available. |
| Vapour density                               | No information available. |
| Relative density                             | No information available. |
| Bulk density                                 | No information available. |
| Solubility(ies)                              | No information available. |
| Partition coefficient                        | No information available. |
| Auto-ignition temperature                    | No information available. |
| Decomposition Temperature                    | No information available. |
| Viscosity                                    | No information available. |
| Explosive properties                         | No information available. |
| Explosive under the influence of a flame     | No information available. |
| Oxidising properties                         | No information available. |

### 9.2. Other information

|                          |                           |
|--------------------------|---------------------------|
| Refractive index         | No information available. |
| Particle size            | No information available. |
| Molecular weight         | No information available. |
| Volatility               | No information available. |
| Saturation concentration | No information available. |

## 24006 EDICOL ASH BROWN V2

**Critical temperature** No information available.

**Volatile organic compound** No information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not determined.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of the following substances: Carbon.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No information available.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No information available.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No information available.

##### Skin corrosion/irritation

**Animal data** No information available.

##### Serious eye damage/irritation

**Serious eye damage/irritation** No information available.

##### Respiratory sensitisation

**Respiratory sensitisation** No information available.

##### Skin sensitisation

**Skin sensitisation** No information available.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** No information available.

##### Carcinogenicity

**Carcinogenicity** No information available.

##### Reproductive toxicity

**Reproductive toxicity - fertility** No information available.

## 24006 EDICOL ASH BROWN V2

### Specific target organ toxicity - single exposure

STOT - single exposure No information available.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

### Aspiration hazard

Aspiration hazard No information available.

### Toxicokinetics

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Inhalation

Dust in high concentrations may irritate the respiratory system.

### Ingestion

May cause discomfort if swallowed.

### Skin contact

Dust may cause slight irritation.

### Eye contact

Solid particles trapped behind the eyelid may cause abrasive damage.

### Toxicological information on ingredients.

#### CALCIUM CARBONATE

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> > 2000 mg/kg, Oral, Rat

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> > 2000 mg/kg, Dermal, Rat

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) LC<sub>50</sub> (4hr) > 3 mg/l, Inhalation, Rat

#### Skin corrosion/irritation

Animal data Not irritating.

#### Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

#### Respiratory sensitisation

Respiratory sensitisation Not sensitising.

#### Skin sensitisation

Skin sensitisation Local Lymph Node Assay (LLNA) - Mouse: Not sensitising.

#### Germ cell mutagenicity

Genotoxicity - in vitro Chromosome aberration: Negative.

#### Carcinogenicity

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

#### Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

## 24006 EDICOL ASH BROWN V2

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Not applicable.

**Toxicokinetics** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Prolonged contact may cause dryness of the skin.

**Eye contact** May cause temporary eye irritation. Particles in the eyes may cause irritation and smarting.

## TRIIRON TETRAOXIDE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

### Skin corrosion/irritation

**Animal data** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** No information available.

**Genotoxicity - in vivo** No information available.

### Carcinogenicity

**Carcinogenicity** No information available.

## 24006 EDICOL ASH BROWN V2

### Reproductive toxicity

**Reproductive toxicity - fertility** No information available.

**Reproductive toxicity - development** No information available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** No information available.

### **Toxicokinetics**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** May cause stomach pain or vomiting. Diarrhoea.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Solid particles trapped behind the eyelid may cause abrasive damage.

### RED IRON OXIDE

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 10000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising. Guinea pig

### Germ cell mutagenicity

**Genotoxicity - in vitro** Ames test: Negative. Chromosome aberration: Negative. OECD 473

## 24006 EDICOL ASH BROWN V2

**Genotoxicity - in vivo** Negative.

### Carcinogenicity

**Carcinogenicity** There is no evidence that the product can cause cancer.

### Reproductive toxicity

**Reproductive toxicity - fertility** This substance has no evidence of toxicity to reproduction.

**Reproductive toxicity - development** This substance has no evidence of toxicity to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** No information available.

### Aspiration hazard

**Aspiration hazard** No information available.

### **Toxicokinetics**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **Inhalation**

Dust in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Shortness of breath. Coughing, chest tightness, feeling of chest pressure.

### **Ingestion**

May cause discomfort if swallowed. Symptoms following overexposure may include the following: Stomach pain. Diarrhoea. Nausea, vomiting.

### **Skin contact**

Skin irritation should not occur when used as recommended.

### **Eye contact**

Particles in the eyes may cause irritation and smarting.

## IRON HYDROXIDE OXIDE YELLOW

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 5000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating.

### Respiratory sensitisation

**24006 EDICOL ASH BROWN V2**

**Respiratory sensitisation** Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** No information available.

**Genotoxicity - in vivo** No information available.

**Carcinogenicity**

**Carcinogenicity** No information available.

**Reproductive toxicity**

**Reproductive toxicity - fertility** No information available.

**Reproductive toxicity - development** No information available.

**Specific target organ toxicity - single exposure**

**STOT - single exposure** No information available.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** No information available.

**Aspiration hazard**

**Aspiration hazard** No information available.

**Toxicokinetics**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Inhalation** Dust in high concentrations may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Solid particles trapped behind the eyelid may cause abrasive damage.

**SECTION 12: Ecological information**

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

**Ecological information on ingredients.****CALCIUM CARBONATE**

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

**TRIIRON TETRAOXIDE**

## 24006 EDICOL ASH BROWN V2

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

### RED IRON OXIDE

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### IRON HYDROXIDE OXIDE YELLOW

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Not considered toxic to fish.

### Ecological information on ingredients.

#### CALCIUM CARBONATE

##### Acute aquatic toxicity

|                                               |                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: >200 mg/l, Fish<br>LC <sub>50</sub> , 96 hour: > 56000 mg/l, Freshwater fish (Gambusia affinis) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: >1000 mg/l, Daphnia magna                                                                       |
| <b>Acute toxicity - aquatic plants</b>        | IC <sub>50</sub> , 72 hours: >10000 mg/l, Algae                                                                              |
| <b>Acute toxicity - microorganisms</b>        | EC <sub>50</sub> , 3 hours: >1000 mg/l, Activated sludge                                                                     |
| <b>Acute toxicity - terrestrial</b>           | EC <sub>50</sub> , 14 days: >1000 mg/kg, Eisenia Fetida (Earthworm)                                                          |

##### Chronic aquatic toxicity

|                                                        |                 |
|--------------------------------------------------------|-----------------|
| <b>Chronic toxicity - fish early life stage</b>        | Not applicable. |
| <b>Short term toxicity - embryo and sac fry stages</b> | Not applicable. |
| <b>Chronic toxicity - aquatic invertebrates</b>        | Not relevant.   |

#### TRIIRON TETRAOXIDE

##### Acute aquatic toxicity

|                                               |                                                                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity - fish</b>                  | LC <sub>0</sub> , 48 hours: >1000 mg/l, Leuciscus idus (Golden orfe)<br>LC <sub>0</sub> , 96 hours: >=10000 mg/l, Brachydanio rerio (Zebra Fish) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: >10000 mg/l, Daphnia magna                                                                                          |

### RED IRON OXIDE

**Toxicity** Not considered toxic to fish.

**24006 EDICOL ASH BROWN V2****Acute aquatic toxicity**

|                                               |                                                                                                                                                                                                                          |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish)<br>LC <sub>50</sub> , 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)<br>LC <sub>50</sub> , 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hour: >10000 mg/l, Daphnia magna                                                                                                                                                                   |
| <b>Acute toxicity - microorganisms</b>        | EC <sub>50</sub> , 3 hours: >10000 mg/l, Activated sludge                                                                                                                                                                |

**IRON HYDROXIDE OXIDE YELLOW**

|                 |                               |
|-----------------|-------------------------------|
| <b>Toxicity</b> | Not considered toxic to fish. |
|-----------------|-------------------------------|

**Acute aquatic toxicity**

|                                               |                                                                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish)<br>LC <sub>50</sub> , 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hour: >100 mg/l, Daphnia magna                                                                                             |
| <b>Acute toxicity - microorganisms</b>        | EC <sub>50</sub> , 3 hours: >1000 mg/l, Activated sludge                                                                                         |

**12.2. Persistence and degradability**

**Persistence and degradability** There are no data on the degradability of this product.

**Ecological information on ingredients.****CALCIUM CARBONATE**

|                                      |                                   |
|--------------------------------------|-----------------------------------|
| <b>Persistence and degradability</b> | The product is not biodegradable. |
| <b>Phototransformation</b>           | Substance is inorganic.           |
| <b>Stability (hydrolysis)</b>        | Substance is inorganic.           |
| <b>Biodegradation</b>                | Not readily biodegradable.        |
| <b>Biological oxygen demand</b>      | No information available.         |
| <b>Chemical oxygen demand</b>        | No information available.         |

**TRIIRON TETRAOXIDE**

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| <b>Persistence and degradability</b> | The product is not expected to be biodegradable. |
|--------------------------------------|--------------------------------------------------|

**RED IRON OXIDE**

|                                      |                                                                             |
|--------------------------------------|-----------------------------------------------------------------------------|
| <b>Persistence and degradability</b> | The product contains only inorganic substances which are not biodegradable. |
|--------------------------------------|-----------------------------------------------------------------------------|

**IRON HYDROXIDE OXIDE YELLOW**

|                                      |                                                                             |
|--------------------------------------|-----------------------------------------------------------------------------|
| <b>Persistence and degradability</b> | The product contains only inorganic substances which are not biodegradable. |
|--------------------------------------|-----------------------------------------------------------------------------|

## 24006 EDICOL ASH BROWN V2

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### CALCIUM CARBONATE

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** : <1

#### TRIIRON TETRAOXIDE

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

#### RED IRON OXIDE

**Bioaccumulative potential** Bioaccumulation is unlikely.

**Partition coefficient** No information available.

#### IRON HYDROXIDE OXIDE YELLOW

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** No information available.

### Ecological information on ingredients.

#### CALCIUM CARBONATE

**Mobility** The product is insoluble in water.

**Adsorption/desorption coefficient** Not applicable.

**Henry's law constant** Not applicable.

**Surface tension** Not applicable.

#### TRIIRON TETRAOXIDE

**Mobility** The product is insoluble in water and will sediment in water systems.

#### RED IRON OXIDE

**Mobility** The product is insoluble in water.

#### IRON HYDROXIDE OXIDE YELLOW

**Mobility** The product is insoluble in water.

### 12.5. Results of PBT and vPvB assessment

## 24006 EDICOL ASH BROWN V2

### Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

### Ecological information on ingredients.

#### CALCIUM CARBONATE

### Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

#### TRIIRON TETRAOXIDE

### Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

#### RED IRON OXIDE

### Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

#### IRON HYDROXIDE OXIDE YELLOW

### Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

#### Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Ecological information on ingredients.

#### CALCIUM CARBONATE

#### Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### TRIIRON TETRAOXIDE

#### Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### RED IRON OXIDE

#### Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

#### IRON HYDROXIDE OXIDE YELLOW

## 24006 EDICOL ASH BROWN V2

### Other adverse effects

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

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 (as amended).

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## 24006 EDICOL ASH BROWN V2

### SECTION 16: Other information

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Abbreviations and acronyms used in the safety data sheet</b>         | <p>ATE: Acute Toxicity Estimate.</p> <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>CAS: Chemical Abstracts Service.</p> <p>DNEL: Derived No Effect Level.</p> <p>IATA: International Air Transport Association.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>Kow: Octanol-water partition coefficient.</p> <p>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</p> <p>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>PNEC: Predicted No Effect Concentration.</p> <p>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>IARC: International Agency for Research on Cancer.</p> <p>MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.</p> <p>cATpE: Converted Acute Toxicity Point Estimate.</p> <p>BCF: Bioconcentration Factor.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>EC<sub>50</sub>: 50% of maximal Effective Concentration.</p> <p>LOAEC: Lowest Observed Adverse Effect Concentration.</p> <p>LOAEL: Lowest Observed Adverse Effect Level.</p> <p>NOAEC: No Observed Adverse Effect Concentration.</p> <p>NOAEL: No Observed Adverse Effect Level.</p> <p>NOEC: No Observed Effect Concentration.</p> <p>LOEC: Lowest Observed Effect Concentration.</p> <p>DMEL: Derived Minimal Effect Level.</p> <p>EL50: Exposure Limit 50</p> <p>hPa: Hectopascal</p> <p>LL50: Lethal Loading fifty</p> <p>OECD: Organisation for Economic Co-operation and Development</p> <p>POW: Octanol-water partition coefficient</p> <p>SCBA: self-contained breathing apparatus</p> <p>STP: Sewage Treatment Plant</p> <p>VOC: Volatile Organic Compounds</p> |
| <b>Classification abbreviations and acronyms</b>                        | <p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Key literature references and sources for data</b>                   | <p>Supplier's information.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Classification procedures according to Regulation (EC) 1272/2008</b> | <p>Not classified.: Calculation method.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Revision comments</b>                                                | <p>NOTE: Lines within the margin indicate significant changes from the previous revision.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**24006 EDICOL ASH BROWN V2**

|                        |            |
|------------------------|------------|
| <b>Revision date</b>   | 01/04/2023 |
| <b>Version number</b>  | 2.000      |
| <b>Supersedes date</b> | 28/10/2021 |
| <b>SDS number</b>      | 52912      |
| <b>SDS status</b>      | Approved.  |
| <b>Signature</b>       | Lisa Bland |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.