



## SAFETY DATA SHEET

### 90256 COGILOR WHEAT ST1

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

##### 1.1. Product identifier

Product name 90256 COGILOR WHEAT ST1

Product number 61845

##### 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  
 Aquarius House  
 6 Mid Point Business Park  
 Bradford  
 BD3 7AY  
 +44 1274 267300  
 +44 1274 267306  
 SDS.EMEA@univarsolutions.com

##### 1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 61845

#### SECTION 2: Hazards identification

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

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

Physical hazards Not Classified

Health hazards Carc. 2 - H351

Environmental hazards Not Classified

##### 2.2. Label elements

###### Hazard pictograms



Signal word Warning

Hazard statements H351 Suspected of causing cancer.

Precautionary statements P202 Do not handle until all safety precautions have been read and understood.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P308+P313 IF exposed or concerned: Get medical advice/ attention.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

## 90256 COGILOR WHEAT ST1

### Supplemental label information

EUH212: Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

### Contains

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER  $\leq 10 \mu\text{m}$ ]

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

|                                                                                                          |                      |                                                  |         |
|----------------------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|---------|
| TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER ≤ 10 μm] |                      |                                                  | 60-100% |
| CAS number: 13463-67-7                                                                                   | EC number: 236-675-5 | REACH registration number: 01-2119489379-17-XXXX |         |
| Classification<br>Carc. 2 - H351                                                                         |                      |                                                  |         |
| IRON HYDROXIDE OXIDE YELLOW                                                                              |                      |                                                  | 1-5%    |
| CAS number: 51274-00-1                                                                                   | EC number: 257-098-5 | REACH registration number: 01-2119457554-33-XXXX |         |
| Classification<br>Not Classified                                                                         |                      |                                                  |         |
| TRIETHOXYOCTADECYLSILANE                                                                                 |                      |                                                  | 1-5%    |
| CAS number: 7399-00-0                                                                                    | EC number: 230-995-9 |                                                  |         |
| Classification<br>Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319                                            |                      |                                                  |         |
| RED IRON OXIDE                                                                                           |                      |                                                  | <1%     |
| CAS number: 1309-37-1                                                                                    | EC number: 215-168-2 | REACH registration number: 01-2119457614-35-XXXX |         |
| Classification<br>Not Classified                                                                         |                      |                                                  |         |
| BLACK IRON OXIDE                                                                                         |                      |                                                  | <1%     |
| CAS number: 12227-89-3                                                                                   | EC number: 235-442-5 |                                                  |         |
| Classification<br>Not Classified                                                                         |                      |                                                  |         |

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

### Composition comments

The data shown are in accordance with the latest EC Directives.

## 90256 COGILOR WHEAT ST1

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                            |                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation                 | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention. |
| Ingestion                  | Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.                                                                                                                                                                                 |
| Skin contact               | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.                                                                                                                                 |
| Eye contact                | Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.                                                                                                             |
| Protection of first aiders | It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. If it is suspected that airborne contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus.                                          |

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

|             |                                                                      |
|-------------|----------------------------------------------------------------------|
| Inhalation  | Suspected of causing cancer by inhalation.                           |
| Eye contact | Solid particles trapped behind the eyelid may cause abrasive damage. |

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

|                      |                        |
|----------------------|------------------------|
| Notes for the doctor | Treat symptomatically. |
|----------------------|------------------------|

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire.                        |

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

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Hazardous combustion products | When heated, vapours/gases hazardous to health may be formed. |
|-------------------------------|---------------------------------------------------------------|

#### 5.3. Advice for firefighters

|                                               |                                                                                                                                                        |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective actions during firefighting        | Avoid generation and spreading of dust. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain and collect extinguishing water. |
| Special protective equipment for firefighters | 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

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions | No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Avoid inhalation of dust. Avoid contact with skin and eyes. Avoid generation and spreading of dust. |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 90256 COGILOR WHEAT ST1

### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses. 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

**Methods for cleaning up** Approach the spillage from upwind. Avoid generation and spreading of dust. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into 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

**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. Avoid handling which leads to dust formation. Avoid inhalation of dust and contact with skin and eyes. If ventilation is inadequate, suitable respiratory protection must be worn.

**Advice on general occupational hygiene** Provide eyewash station and safety shower. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. Take off immediately all contaminated clothing and wash it before reuse.

### 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. Avoid contact with the following materials: Chemically-active metals.

### 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

**TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER  $\leq 10 \mu\text{m}$ ]**

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

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

#### **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

## 90256 COGILOR WHEAT ST1

### BLACK IRON OXIDE

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

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

WEL = Workplace Exposure Limit.

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

**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>

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Provide eyewash station and safety shower.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, 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 suitable protective clothing as protection against splashing or contamination.

#### Hygiene measures

Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. Take off immediately all contaminated clothing and wash it before reuse.

#### Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Wear a respirator fitted with the following cartridge: Particulate filter, type P3. In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. EN 136/140/141/145/143/149  
Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.

## SECTION 9: Physical and chemical properties

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

#### Appearance

Powder.

## 90256 COGILOR WHEAT ST1

|                                              |                           |
|----------------------------------------------|---------------------------|
| Colour                                       | Light brown.              |
| Odour                                        | No information available. |
| Odour threshold                              | No information available. |
| pH                                           | No information available. |
| Melting 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)                              | Insoluble in water.       |
| 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

|                   |                |
|-------------------|----------------|
| Other information | Not available. |
|-------------------|----------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |                                                                               |
|------------|-------------------------------------------------------------------------------|
| Reactivity | The following materials may react with the product: Chemically-active metals. |
|------------|-------------------------------------------------------------------------------|

### 10.2. Chemical stability

|           |                                        |
|-----------|----------------------------------------|
| Stability | Stable at normal ambient temperatures. |
|-----------|----------------------------------------|

### 10.3. Possibility of hazardous reactions

|                                    |                 |
|------------------------------------|-----------------|
| Possibility of hazardous reactions | Not determined. |
|------------------------------------|-----------------|

### 10.4. Conditions to avoid

## 90256 COGILOR WHEAT ST1

**Conditions to avoid** Avoid generation and spreading of dust.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Chemically-active metals.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** When heated, vapours/gases hazardous to health may be formed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

#### Skin corrosion/irritation

**Skin corrosion/irritation** 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** Suspected of causing cancer by inhalation.

#### Reproductive toxicity

**Reproductive toxicity - fertility** 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** Not applicable.

**Inhalation** Suspected of causing cancer by inhalation.

**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.

### Toxicological information on ingredients.

**TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1 % OR MORE OF PARTICLES WITH AERODYNAMIC DIAMETER  $\leq 10 \mu\text{m}$ ]**

#### Carcinogenicity

## 90256 COGILOR WHEAT ST1

IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

### 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

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.

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.

**90256 COGILOR WHEAT ST1**

**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

**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.

**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.

**90256 COGILOR WHEAT ST1**

|                     |                                                                                                                                          |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion</b>    | May cause discomfort if swallowed. Symptoms following overexposure may include the following: Stomach pain. Diarrhoea. Nausea, vomiting. |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.                                                                                   |
| <b>Eye contact</b>  | Particles in the eyes may cause irritation and smarting.                                                                                 |

**BLACK IRON OXIDE****Skin corrosion/irritation**

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Skin corrosion/irritation</b> | No information available. |
|----------------------------------|---------------------------|

**Serious eye damage/irritation**

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Serious eye damage/irritation</b> | No information available. |
|--------------------------------------|---------------------------|

**Respiratory sensitisation**

|                                  |                           |
|----------------------------------|---------------------------|
| <b>Respiratory sensitisation</b> | No information available. |
|----------------------------------|---------------------------|

**Skin sensitisation**

|                           |                           |
|---------------------------|---------------------------|
| <b>Skin sensitisation</b> | No information available. |
|---------------------------|---------------------------|

**Germ cell mutagenicity**

|                                |                           |
|--------------------------------|---------------------------|
| <b>Genotoxicity - in vitro</b> | No information available. |
|--------------------------------|---------------------------|

**Carcinogenicity**

|                        |                           |
|------------------------|---------------------------|
| <b>Carcinogenicity</b> | No information available. |
|------------------------|---------------------------|

**Reproductive toxicity**

|                                          |                           |
|------------------------------------------|---------------------------|
| <b>Reproductive toxicity - fertility</b> | No information available. |
|------------------------------------------|---------------------------|

**Specific target organ toxicity - single exposure**

|                               |                           |
|-------------------------------|---------------------------|
| <b>STOT - single exposure</b> | No information available. |
|-------------------------------|---------------------------|

**Specific target organ toxicity - repeated exposure**

|                                 |                           |
|---------------------------------|---------------------------|
| <b>STOT - repeated exposure</b> | No information available. |
|---------------------------------|---------------------------|

**Aspiration hazard**

|                          |                           |
|--------------------------|---------------------------|
| <b>Aspiration hazard</b> | No information available. |
|--------------------------|---------------------------|

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| <b>Inhalation</b> | Dust in high concentrations may irritate the respiratory system. |
|-------------------|------------------------------------------------------------------|

|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| <b>Ingestion</b> | No harmful effects expected from quantities likely to be ingested by accident. |
|------------------|--------------------------------------------------------------------------------|

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| <b>Skin contact</b> | Skin irritation should not occur when used as recommended. |
|---------------------|------------------------------------------------------------|

|                    |                                                          |
|--------------------|----------------------------------------------------------|
| <b>Eye contact</b> | Particles in the eyes may cause irritation and smarting. |
|--------------------|----------------------------------------------------------|

**SECTION 12: Ecological information**

|                    |                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|

**Ecological information on ingredients.****IRON HYDROXIDE OXIDE YELLOW**

**90256 COGILOR WHEAT ST1**

**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.

**BLACK IRON OXIDE**

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

**12.1. Toxicity**

**Toxicity** No information available.

**Ecological information on ingredients.****IRON HYDROXIDE OXIDE YELLOW**

**Toxicity** Not considered toxic to fish.

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: >100 mg/l, Daphnia magna

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: >1000 mg/l, Activated sludge

**RED IRON OXIDE**

**Toxicity** Not considered toxic to fish.

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: >=10000 mg/l, Brachydanio rerio (Zebra Fish)  
LC<sub>50</sub>, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)  
LC<sub>50</sub>, 96 hour: >1000 mg/l, Leuciscus idus (Golden orfe)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: >10000 mg/l, Daphnia magna

**Acute toxicity - microorganisms** EC<sub>50</sub>, 3 hours: >10000 mg/l, Activated sludge

**BLACK IRON OXIDE**

**Toxicity** Not considered toxic to fish.

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: >1000 mg/l, Fish

**12.2. Persistence and degradability**

**Persistence and degradability** The product contains mainly inorganic substances which are not biodegradable.

**Ecological information on ingredients.**

**90256 COGILOR WHEAT ST1****IRON HYDROXIDE OXIDE YELLOW**

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable.

**RED IRON OXIDE**

**Persistence and degradability** The product contains only inorganic substances which are not biodegradable.

**BLACK IRON OXIDE**

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

**12.3. Bioaccumulative potential**

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

**Partition coefficient** No information available.

**Ecological information on ingredients.****IRON HYDROXIDE OXIDE YELLOW**

**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.

**BLACK IRON OXIDE**

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** No information available.

**12.4. Mobility in soil**

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

**Ecological information on ingredients.****IRON HYDROXIDE OXIDE YELLOW**

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

**RED IRON OXIDE**

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

**BLACK IRON OXIDE**

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

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

**90256 COGILOR WHEAT ST1**

**Results of PBT and vPvB assessment** Not applicable.

Ecological information on ingredients.**IRON HYDROXIDE OXIDE YELLOW**

**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.

**BLACK IRON OXIDE**

**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** Not determined.

Ecological information on ingredients.**IRON HYDROXIDE OXIDE YELLOW**

**Other adverse effects** Not determined.

**RED IRON OXIDE**

**Other adverse effects** Not determined.

**BLACK IRON OXIDE**

**Other adverse effects** Not determined.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

**General information** Waste is classified as hazardous 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.

**90256 COGILOR WHEAT ST1****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) No 2015/830 of 28 May 2015.

**15.2. Chemical safety assessment**

Not applicable.

**SECTION 16: Other information**

## 90256 COGILOR WHEAT ST1

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.  
 EL50: Exposure Limit 50  
 hPa: Hectopascal  
 LL50: Lethal Loading fifty  
 OECD: Organisation for Economic Co-operation and Development  
 POW: Octanol-water partition coefficient  
 SCBA: self-contained breathing apparatus  
 STP: Sewage Treatment Plant  
 VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms

Acute Tox. = Acute toxicity  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Key literature references and sources for data

Supplier's information.

### Classification procedures according to Regulation (EC) 1272/2008

Carc. 2 - H351: Calculation method.

### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

### Revision date

06/05/2022

**90256 COGILOR WHEAT ST1**

|                                  |                                                                                                                                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version number</b>            | 2.000                                                                                                                                                       |
| <b>Supersedes date</b>           | 09/02/2021                                                                                                                                                  |
| <b>SDS number</b>                | 61845                                                                                                                                                       |
| <b>SDS status</b>                | Approved.                                                                                                                                                   |
| <b>Hazard statements in full</b> | H315 Causes skin irritation.<br>H319 Causes serious eye irritation.<br>H351 Suspected of causing cancer.<br>H351 Suspected of causing cancer by inhalation. |
| <b>Signature</b>                 | J Spenceley                                                                                                                                                 |

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.