



## SAFETY DATA SHEET 30117 MARIGOLD AIR BRUSH

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

#### 1.1. Product identifier

Product name 30117 MARIGOLD AIR BRUSH  
Product number 15152

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

Identified uses Colourant

#### 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. 15152

### SECTION 2: Hazards identification

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

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

Physical hazards Flam. Liq. 3 - H226  
Health hazards Not Classified  
Environmental hazards Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word Warning  
Hazard statements H226 Flammable liquid and vapour.

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### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
 Rinse skin with water or shower.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/ container in accordance with local regulations.

### 2.3. Other hazards

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

### 3.2. Mixtures

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>WATER</b> <span style="float: right;">60-100%</span><br>CAS number: 7732-18-5                      EC number: 231-791-2                                                                                                                                                                                                                                                                                                                                                            |
| <b>Classification</b><br>Not Classified                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GLYCERINE</b> <span style="float: right;">10-30%</span><br>CAS number: 56-81-5                      EC number: 200-289-5<br>Exempt -Annex V exempted by Article 2(7)<br>Acute Toxicity Estimate (oral):27200 mg/kg<br>Acute Toxicity Estimate (dermal):56750 mg/kg<br>Acute Toxicity Estimate (inhalation):> 2.75 mg/lDust/Mist                                                                                                                                                    |
| <b>Classification</b><br>Not Classified                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ETHANOL</b> <span style="float: right;">5-10%</span><br>CAS number: 64-17-5                      EC number: 200-578-6                      REACH registration number: 01-2119457610-43-XXXX<br>Acute Toxicity Estimate (oral):<br>LD <sub>50</sub> 10470 mg/kg, Oral, Rat<br>Acute Toxicity Estimate (dermal):<br>LD <sub>50</sub> 15800 mg/kg, Dermal, Rat<br>Acute Toxicity Estimate (inhalation):<br>LC <sub>50</sub> 20 mg/l, Inhalation, Rat<br>Eye Irrit. 2 - H319<br>≥ 50 % |
| <b>Classification</b><br>Flam. Liq. 2 - H225<br>Eye Irrit. 2 - H319                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|                                                                               |                      |                                                  |               |
|-------------------------------------------------------------------------------|----------------------|--------------------------------------------------|---------------|
| <b>DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE</b> |                      |                                                  | <b>&lt;1%</b> |
| CAS number: 2783-94-0                                                         | EC number: 220-491-7 | REACH registration number: 01-2120734373-58-XXXX |               |
| Acute Toxicity Estimate (oral):> 6000 mg/kg                                   |                      |                                                  |               |

**Classification**  
Not Classified

|                                                                                           |                      |                                                  |               |
|-------------------------------------------------------------------------------------------|----------------------|--------------------------------------------------|---------------|
| <b>TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE</b> |                      |                                                  | <b>&lt;1%</b> |
| CAS number: 1934-21-0                                                                     | EC number: 217-699-5 | REACH registration number: 01-2120116875-52-XXXX |               |
| Acute Toxicity Estimate (oral):> 1000 mg/kg                                               |                      |                                                  |               |

**Classification**  
Not Classified

|                                                |                      |               |
|------------------------------------------------|----------------------|---------------|
| <b>POTASSIUM (E,E) HEXA2,4 DIENOATE</b>        |                      | <b>&lt;1%</b> |
| CAS number: 24634-61-5                         | EC number: 246-376-1 |               |
| Acute Toxicity Estimate (oral):10500 mg/kg     |                      |               |
| Acute Toxicity Estimate (dermal):2000 mg/lg    |                      |               |
| Acute Toxicity Estimate (inhalation):5.15 mg/l |                      |               |

**Classification**  
Eye Irrit. 2 - H319

|                                                                   |                      |                                                  |                 |
|-------------------------------------------------------------------|----------------------|--------------------------------------------------|-----------------|
| <b>CITRIC ACID ANHYDROUS</b>                                      |                      |                                                  | <b>&lt;0.1%</b> |
| CAS number: 77-92-9                                               | EC number: 201-069-1 | REACH registration number: 01-2119457026-42-XXXX |                 |
| Acute Toxicity Estimate (oral):5400 mg/kg                         |                      |                                                  |                 |
| Acute Toxicity Estimate (dermal):> 2000 mg/kg                     |                      |                                                  |                 |
| Acute Toxicity Estimate (inhalation):~ 75 mg/lGuinea pig3 minutes |                      |                                                  |                 |

**Classification**  
Eye Irrit. 2 - H319  
STOT SE 3 - H335

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.

#### 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. Get medical attention if any discomfort continues.

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|                     |                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.                                                                                                               |
| <b>Skin contact</b> | Remove affected person from source of contamination. 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 15 minutes. Get medical attention if any discomfort continues.                                |

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

|                    |                                     |
|--------------------|-------------------------------------|
| <b>Eye contact</b> | May cause temporary eye irritation. |
|--------------------|-------------------------------------|

### **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>              | 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>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 vapours 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. Absorb spillage with non-combustible, absorbent material. 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. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

|                                    |                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Reference to other sections</b> | Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13. |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------|

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### 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 vapours and contact with skin and eyes. Avoid spilling. Keep away from heat, sparks and open flame.

#### 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.

**Storage class** Flammable liquid storage.

#### 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

##### **GLYCERINE**

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

##### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

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

#### **GLYCERINE (CAS: 56-81-5)**

|             |                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DNEL</b> | Industry - Inhalation; Long term local effects: 56 mg/m <sup>3</sup><br>General population - Inhalation; Long term local effects: 33 mg/m <sup>3</sup><br>General population - Oral; Long term systemic effects: 229 mg/kg/day |
| <b>PNEC</b> | - Fresh water; 0.885 mg/l<br>- marine water; 0.0885 mg/l<br>- Intermittent release; 8.85 mg/l<br>- STP; 1000 mg/l<br>- Soil; 0.141 mg/kg<br>- Sediment (Freshwater); 3.3 mg/kg<br>- Sediment (Marinewater); 0.33 mg/kg         |

#### **ETHANOL (CAS: 64-17-5)**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingredient comments</b> | WEL = Workplace Exposure Limits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>DNEL</b>                | Workers - Inhalation; Long term systemic effects: 950 mg/m <sup>3</sup><br>Workers - Inhalation; Short term local effects: 1900 mg/m <sup>3</sup><br>Workers - Dermal; Long term systemic effects: 343 mg/kg/day<br>General population - Inhalation; Long term systemic effects: 114 mg/m <sup>3</sup><br>General population - Inhalation; Short term local effects: 950 mg/m <sup>3</sup><br>General population - Dermal; Long term systemic effects: 206 mg/kg/day<br>General population - Oral; Long term systemic effects: 87 mg/kg/day |

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|             |                                     |
|-------------|-------------------------------------|
| <b>PNEC</b> | - Fresh water; 0.96 mg/l            |
|             | - marine water; 0.79 mg/l           |
|             | - Intermittent release; 2.75 mg/l   |
|             | - STP; 580 mg/l                     |
|             | - Sediment (Freshwater); 3.6 mg/kg  |
|             | - Sediment (Marinewater); 2.9 mg/kg |
|             | - Soil; 0.63 mg/kg                  |

**DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE (CAS: 2783-94-0)**

|                            |                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------|
| <b>Ingredient comments</b> | No exposure limits known for ingredient(s).                                            |
| <b>DNEL</b>                | Workers - Inhalation; Long term systemic effects: 1469.298 mg/m <sup>3</sup>           |
|                            | Workers - Dermal; Long term systemic effects: 833.333 mg/kg/day                        |
|                            | General population - Inhalation; Long term systemic effects: 362.319 mg/m <sup>3</sup> |
|                            | General population - Dermal; Long term systemic effects: 416.667 mg/kg/day             |
|                            | General population - Oral; Long term systemic effects: 208.333 mg/kg/day               |
| <b>PNEC</b>                | Fresh water; 113.2 - 165 µg/l                                                          |
|                            | marine water; 11.32 - 16.5 µg/l                                                        |
|                            | Intermittent release; 1.132 - 1.65 mg/l                                                |
|                            | STP; 1.76 mg/l                                                                         |
|                            | Sediment (Freshwater); 72054.279 mg/kg                                                 |
|                            | Sediment (Marinewater); 72054.279 mg/kg                                                |
|                            | Soil; 34.5 g/kg                                                                        |

**TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE (CAS: 1934-21-0)**

|                            |                                                                      |
|----------------------------|----------------------------------------------------------------------|
| <b>Ingredient comments</b> | No exposure limits known for ingredient(s).                          |
| <b>DNEL</b>                | Workers - Inhalation; Long term : 372.52 mg/m <sup>3</sup>           |
|                            | Workers - Dermal; Long term : 52.82 mg/kg/day                        |
|                            | General population - Inhalation; Long term : 91.86 mg/m <sup>3</sup> |
|                            | General population - Dermal; Long term : 26.41 mg/kg/day             |
|                            | General population - Oral; Long term : 26.41 mg/kg/day               |
| <b>PNEC</b>                | Fresh water; 120 µg/l                                                |
|                            | marine water; 12 µg/l                                                |
|                            | Intermittent release; 1.2 mg/l                                       |
|                            | STP; 10 mg/l                                                         |
|                            | Sediment (Freshwater); 469.92 µg/kg                                  |
|                            | Sediment (Marinewater); 46.992 µg/kg                                 |

**POTASSIUM (E,E) HEXA2,4 DIENOATE (CAS: 24634-61-5)**

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| <b>Ingredient comments</b> | No exposure limits known for ingredient(s).                                          |
| <b>DNEL</b>                | Workers - Dermal; Long term systemic effects: 40 mg/kg                               |
|                            | Workers - Inhalation; Long term systemic effects: 17.63 mg/m <sup>3</sup>            |
|                            | General population - Oral; Long term systemic effects: 2 mg/kg                       |
|                            | General population - Dermal; Long term systemic effects: 20 mg/kg                    |
|                            | General population - Inhalation; Long term systemic effects: 52.17 mg/m <sup>3</sup> |
|                            | Workers - Oral; Long term local effects: 0.17 mg/cm <sup>2</sup>                     |
|                            | General population - Inhalation; Long term local effects: 26.08 mg/m <sup>3</sup>    |

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### PNEC

- Fresh water; 1 mg/l  
marine water; 0.1 mg/l  
Intermittent release; 4.8 mg/l
- Sediment (Freshwater); 3.6 mg/kg  
Sediment (Marinewater); 0.36 mg/kg
- STP; 10 mg/l
- Soil; 1.67 mg/kg

### CITRIC ACID ANHYDROUS (CAS: 77-92-9)

### Ingredient comments

No exposure limits known for ingredient(s).

### PNEC

- Fresh water; 0.44 mg/l
- marine water; 0.044 mg/l
- Sediment (Freshwater); 7.52 mg/kg
- Sediment (Marinewater); 0.752 mg/kg
- Soil; 29.2 mg/kg

### 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: Chemical splash goggles or face shield. 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 any possibility of skin contact.

#### 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. High-efficiency particulate filter. EN 136/140/141/145/143/149

## SECTION 9: Physical and chemical properties

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

#### Appearance

Liquid.

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|                                              |                                 |
|----------------------------------------------|---------------------------------|
| Colour                                       | Orange.                         |
| Odour                                        | No information available.       |
| Odour threshold                              | No information available.       |
| pH                                           | pH (concentrated solution): 4.7 |
| 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                                  | 49°C Closed cup.                |
| 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                             | 1.008                           |
| Bulk density                                 | No information available.       |
| Solubility(ies)                              | Soluble 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.       |
| <b><u>9.2. Other information</u></b>         |                                 |
| Other information                            | Not determined.                 |
| Refractive index                             | No information available.       |
| Particle size                                | No information available.       |
| Molecular weight                             | No information available.       |
| Volatility                                   | No information available.       |
| Saturation concentration                     | No information available.       |
| Critical temperature                         | No information available.       |



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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 at normal ambient temperatures.

#### 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 Flammable/combustible materials.

#### 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

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 No information available.

##### Reproductive toxicity

Reproductive toxicity - fertility No information available.

##### Specific target organ toxicity - single exposure

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**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**

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

### **Ingestion**

May cause discomfort if swallowed.

### **Skin contact**

Prolonged skin contact may cause temporary irritation.

### **Eye contact**

May cause temporary eye irritation.

### Toxicological information on ingredients.

#### GLYCERINE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 27,200.0

**Species** Rat

**ATE oral (mg/kg)** 27,200.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 56,750.0

**Species** Guinea pig

**ATE dermal (mg/kg)** 56,750.0

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> > 2.75 mg/l, Inhalation, Dust/Mist, Rat

##### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

##### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

##### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

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### 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

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

**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** Gas or vapour in high concentrations may irritate the respiratory system.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** Slightly irritating.

**Eye contact** May cause temporary eye irritation.

### ETHANOL

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 10,470.0

**Species** Rat

#### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 15,800.0

**Species** Rat

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 20.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 20.0

#### Skin corrosion/irritation

**Animal data** Not irritating. Rabbit OECD 404

#### Serious eye damage/irritation

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**Serious eye damage/irritation** Irritating. Rabbit OECD 405

### Respiratory sensitisation

**Respiratory sensitisation** Not sensitising.

### Skin sensitisation

**Skin sensitisation** Not sensitising. Mouse OECD 429

### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

### 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

**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** 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** Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

**Ingestion** Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication.

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

**Eye contact** Causes serious eye irritation.

### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 10,000.0

**Species** Rat

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 10000 mg/kg, Oral, Rat LD<sub>50</sub> > 6000 mg/kg, Oral, Mouse

### Acute toxicity - dermal

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

### Acute toxicity - inhalation

## 30117 MARIGOLD AIR BRUSH

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

### Skin corrosion/irritation

**Animal data** Not irritating. Rabbit

### Serious eye damage/irritation

**Serious eye damage/irritation** May be slightly irritating to eyes.

### Respiratory sensitisation

**Respiratory sensitisation** No information available.

### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

### Carcinogenicity

**Carcinogenicity** No information available.

### 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** 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** May be slightly irritating to skin.

**Eye contact** Solid particles trapped behind the eyelid may cause abrasive damage. May be slightly irritating to eyes.

### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> > 1000 mg/kg, Oral, Rat

### Acute toxicity - dermal

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

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### Acute toxicity - inhalation

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

### Skin corrosion/irritation

Animal data Prolonged skin contact may cause redness and irritation.

### Serious eye damage/irritation

Serious eye damage/irritation Solid particles trapped behind the eyelid may cause abrasive damage.

### Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

### Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met. Local Lymph Node Assay (LLNA) - Mouse: Not sensitising. OECD 429

### Germ cell mutagenicity

Genotoxicity - in vitro This substance has no evidence of mutagenic properties.

### 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

STOT - single exposure No information available.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

### Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

### 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

Prolonged skin contact may cause redness and irritation. May cause skin sensitisation or allergic reactions in sensitive individuals.

### Eye contact

Solid particles trapped behind the eyelid may cause abrasive damage.

## POTASSIUM (E,E) HEXA2,4 DIENOATE

### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 10500 mg/kg, Oral, Rat

### Acute toxicity - dermal

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Acute toxicity dermal (LD<sub>50</sub> 2,000.0 mg/kg)

Species Rat

Notes (dermal LD<sub>50</sub>) OECD 402

### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 5.15

Notes (inhalation LC<sub>50</sub>) OECD 403

### Skin corrosion/irritation

Animal data Not irritating. Rabbit OECD 404

### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation. Rabbit OECD 405

### Respiratory sensitisation

Respiratory sensitisation Not sensitising.

### Skin sensitisation

Skin sensitisation Not sensitising. Guinea pig

### Germ cell mutagenicity

Genotoxicity - in vitro Ames test: Negative. Does not contain any substances known to be mutagenic.

Genotoxicity - in vivo Not available.

### Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies.

### Reproductive toxicity

Reproductive toxicity - fertility No information available.

### Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

### 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 Slightly irritating.

**30117 MARIGOLD AIR BRUSH**

**Eye contact** Causes serious eye irritation.

**CITRIC ACID ANHYDROUS**

**Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,400.0

**Species** Mouse

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 5400 mg/kg, Oral, Mouse OECD 401

**ATE oral (mg/kg)** 5,400.0

**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>)** ~ 75 mg/l, 3 minutes, Dust/Mist Guinea pig Respiratory tract Coughing.

**Skin corrosion/irritation**

**Skin corrosion/irritation** Based on available data the classification criteria are not met. Not irritating. Rabbit OECD 404

**Serious eye damage/irritation**

**Serious eye damage/irritation** Causes serious eye irritation. Rabbit OECD 405

**Respiratory sensitisation**

**Respiratory sensitisation** Based on available data the classification criteria are not met. Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Based on available data the classification criteria are not met. Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Based on available data the classification criteria are not met. Bacterial reverse mutation test: Negative. Micronucleus assay: Negative.

**Genotoxicity - in vivo** Chromosome aberration: Negative.

**Carcinogenicity**

**Carcinogenicity** Based on available data the classification criteria are not met. There is no evidence that the product can cause cancer.

**Reproductive toxicity**

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

**Specific target organ toxicity - single exposure**

**STOT - single exposure** May cause respiratory irritation.

**Target organs** Respiratory tract

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** NOAEL 4000 mg/kg, Oral, Rat 10 days  
LOAEL 8000 mg/kg, Oral, Rat 10 days

**Aspiration hazard**



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|                          |                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Aspiration hazard</b> | Based on available data the classification criteria are not met.                                                                                                                                                                                            |
| <b>Toxicokinetics</b>    | 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. |
| <b>Inhalation</b>        | Dust in high concentrations may irritate the respiratory system. May cause respiratory irritation. Respiratory tract Coughing.                                                                                                                              |
| <b>Ingestion</b>         | May cause discomfort if swallowed.                                                                                                                                                                                                                          |
| <b>Skin contact</b>      | Skin irritation should not occur when used as recommended.                                                                                                                                                                                                  |
| <b>Eye contact</b>       | Causes serious eye irritation.                                                                                                                                                                                                                              |

### SECTION 12: Ecological information

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | 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.

##### GLYCERINE

|                    |                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

##### ETHANOL

|                    |                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

##### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

##### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|

##### POTASSIUM (E,E) HEXA2,4 DIENOATE

|                    |                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|

##### CITRIC ACID ANHYDROUS

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b> | 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

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

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### Ecological information on ingredients.

#### GLYCERINE

|                                               |                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicity</b>                               | Not considered toxic to fish.                                                                                                                                  |
| <b><u>Acute aquatic toxicity</u></b>          |                                                                                                                                                                |
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: 54000 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>LC <sub>50</sub> , 96 hour: >= 885 mg/l, Pimephales promelas (Fat-head Minnow) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 24 hours: > 10000 mg/l, Daphnia magna                                                                                                       |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: > 2900 mg/l, Freshwater algae                                                                                                     |
| <b>Acute toxicity - microorganisms</b>        | EC <sub>50</sub> , 3 hour: > 1000 mg/l, Activated sludge                                                                                                       |

#### ETHANOL

|                                                 |                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Toxicity</b>                                 | Not considered toxic to fish.                                                                                                                                                                                                                                                                                            |
| <b><u>Acute aquatic toxicity</u></b>            |                                                                                                                                                                                                                                                                                                                          |
| <b>Acute toxicity - fish</b>                    | LC <sub>50</sub> , 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)<br>LC <sub>50</sub> , 96 hour: 14200 mg/l, Pimephales promelas (Fat-head Minnow)<br>LC <sub>50</sub> , 96 hour: 13000 mg/l, Oncorhynchus mykiss (Rainbow trout)<br>LC <sub>50</sub> , 96 hour: 12000 - 16000 mg/l, Oryzias latipes (Red killifish) |
| <b>Acute toxicity - aquatic invertebrates</b>   | EC <sub>50</sub> , 48 hours: 12340 mg/l, Daphnia magna                                                                                                                                                                                                                                                                   |
| <b>Acute toxicity - aquatic plants</b>          | EC <sub>50</sub> , 48 hours: > 100 mg/l, Selenastrum capricornutum<br>EC <sub>50</sub> , 72 hour: 275 mg/l, (Chlorella vulgaris)                                                                                                                                                                                         |
| <b><u>Chronic aquatic toxicity</u></b>          |                                                                                                                                                                                                                                                                                                                          |
| <b>Chronic toxicity - aquatic invertebrates</b> | NOEC, 9 day: 9.6 mg/l, Daphnia magna                                                                                                                                                                                                                                                                                     |

#### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

|                                               |                                                                         |
|-----------------------------------------------|-------------------------------------------------------------------------|
| <b>Toxicity</b>                               | Not considered toxic to fish.                                           |
| <b><u>Acute aquatic toxicity</u></b>          |                                                                         |
| <b>Acute toxicity - fish</b>                  | LC <sub>50</sub> , 96 hours: > 100 mg/l, Brachydanio rerio (Zebra Fish) |
| <b>Acute toxicity - aquatic invertebrates</b> | EC <sub>50</sub> , 48 hours: > 100 mg/l, Daphnia magna                  |
| <b>Acute toxicity - aquatic plants</b>        | EC <sub>50</sub> , 72 hours: 113.2 mg/l, Desmodesmus subspicatus        |

#### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE

|                                      |                               |
|--------------------------------------|-------------------------------|
| <b>Toxicity</b>                      | Not considered toxic to fish. |
| <b><u>Acute aquatic toxicity</u></b> |                               |

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|                                        |                                                                            |
|----------------------------------------|----------------------------------------------------------------------------|
| Acute toxicity - fish                  | LC <sub>50</sub> , 96 hours: 120 mg/l, <i>Leuciscus idus</i> (Golden orfe) |
| Acute toxicity - aquatic invertebrates | EC <sub>50</sub> , 48 hours: 125 mg/l, <i>Daphnia magna</i>                |
| Acute toxicity - aquatic plants        | EC <sub>50</sub> , 72 hours: 125 mg/l, Freshwater algae                    |
| Acute toxicity - microorganisms        | EC <sub>50</sub> , 3 hours: > 1000 ,                                       |

### POTASSIUM (E,E) HEXA2,4 DIENOATE

|                                        |                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------|
| Toxicity                               | Not considered toxic to fish.                                                                    |
| <u>Acute aquatic toxicity</u>          |                                                                                                  |
| Acute toxicity - fish                  | LC <sub>50</sub> , 96 hours: > 1000 mg/l, <i>Oncorhynchus mykiss</i> (Rainbow trout)<br>OECD 203 |
| Acute toxicity - aquatic invertebrates | EC <sub>50</sub> , 48 hours: 982 mg/l, <i>Daphnia magna</i><br>OECD 202                          |
| Acute toxicity - aquatic plants        | EC <sub>50</sub> , 48 hours: 480 mg/l, Algae                                                     |
| Acute toxicity - microorganisms        | EC <sub>50</sub> , 3 hours: > 100 mg/l, Activated sludge<br>OECD 209                             |

### CITRIC ACID ANHYDROUS

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Toxicity                               | Not considered toxic to fish.                                                          |
| <u>Acute aquatic toxicity</u>          |                                                                                        |
| Acute toxicity - fish                  | LC <sub>50</sub> , 48 hours: 440 mg/l, <i>Leuciscus idus</i> (Golden orfe)<br>OECD 203 |
| Acute toxicity - aquatic invertebrates | EC <sub>50</sub> , 24 hours: 1535 mg/l, <i>Daphnia magna</i><br>OECD 202               |
| Acute toxicity - aquatic plants        | NOEC, 8 days: 425 mg/l, Algae                                                          |
| Acute toxicity - microorganisms        | , 16 hours: >10000 mg/l, <i>Pseudomonas putida</i>                                     |

### 12.2. Persistence and degradability

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

### Ecological information on ingredients.

#### GLYCERINE

|                               |                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------|
| Persistence and degradability | The product is readily biodegradable.                                             |
| Biodegradation                | - Degradation 82%: 20 days<br>OECD 301D<br>- Degradation 63%: 28 day<br>OECD 301C |

## 30117 MARIGOLD AIR BRUSH

**Biological oxygen demand** 0.87 g O<sub>2</sub>/g substance

### ETHANOL

**Persistence and degradability** The product is readily biodegradable. The product is degraded completely by photochemical oxidation.

**Biodegradation** - Degradation 84%: 20 day  
- Half-life : 1 - <10 days

### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

**Persistence and degradability** The product is readily biodegradable.

### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYL-AZO)PYRAZOLE-3-CARBOXYLATE

**Persistence and degradability** The product is readily biodegradable.

### POTASSIUM (E,E) HEXA2,4 DIENOATE

**Persistence and degradability** The product is readily biodegradable.

### CITRIC ACID ANHYDROUS

**Persistence and degradability** The product is readily biodegradable.

**Biodegradation** - Degradation 97%: 28 days  
OECD 301B

**Biological oxygen demand** 0.526 g O<sub>2</sub>/g substance

**Chemical oxygen demand** 0.728 g O<sub>2</sub>/g substance

### 12.3. Bioaccumulative potential

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

**Partition coefficient** No information available.

### Ecological information on ingredients.

### GLYCERINE

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

**Partition coefficient** log Pow: -1.76

### ETHANOL

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

**Partition coefficient** log Pow: - 0.31

### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

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

**30117 MARIGOLD AIR BRUSH**

**Partition coefficient** log Pow: -1.180

**TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE**

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

**Partition coefficient** log Pow: -1.572

**POTASSIUM (E,E) HEXA2,4 DIENOATE**

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

**Partition coefficient** log Pow: 1.33 Calculation method.

**CITRIC ACID ANHYDROUS**

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

**Partition coefficient** log Pow: -1.80 - -0.2

**12.4. Mobility in soil**

**Mobility** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

**Ecological information on ingredients.**

**GLYCERINE**

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

**ETHANOL**

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is water-soluble and may spread in water systems.

**DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE**

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

**TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE**

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

**POTASSIUM (E,E) HEXA2,4 DIENOATE**

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

**CITRIC ACID ANHYDROUS**

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

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

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

**Ecological information on ingredients.**

## 30117 MARIGOLD AIR BRUSH

### GLYCERINE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### ETHANOL

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### POTASSIUM (E,E) HEXA2,4 DIENOATE

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### CITRIC ACID ANHYDROUS

**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.

### GLYCERINE

**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.

### ETHANOL

**Other adverse effects** The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential. 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.

### DISODIUM 6-HYDROXY-5-[(4-SULPHONATOPHENYL)AZO]NAPHTHALENE-2-SULPHONATE

## 30117 MARIGOLD AIR BRUSH

**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.

### TRISODIUM 5-HYDROXY-1-(4-SULPHOPHENYL)-4-(4-SULPHOPHENYLAZO)PYRAZOLE-3-CARBOXYLATE

**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.

### POTASSIUM (E,E) HEXA2,4 DIENOATE

**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.

### CITRIC ACID ANHYDROUS

**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 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** Wear protective clothing as described in Section 8 of this safety data sheet.

### 14.1. UN number

UN No. (ADR/RID) 1993

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN No. (ADN) 1993

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

**Proper shipping name (IMDG)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

**Proper shipping name (ICAO)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

**Proper shipping name (ADN)** FLAMMABLE LIQUID, N.O.S. (CONTAINS ETHANOL)

### 14.3. Transport hazard class(es)

**ADR/RID class** 3

**30117 MARIGOLD AIR BRUSH**

ADR/RID label 3

IMDG class 3

ICAO class/division 3

Transport labels

**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

EmS F-E, S-E

Emergency Action Code •3YE

Hazard Identification Number 33  
(ADR/RID)

Tunnel restriction code (D/E)

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

Transport in bulk according to No information required.

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  
This product may impact SEVESO storage regulations.

Seveso Directive - Control of P5c  
major accident hazards**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**



## 30117 MARIGOLD AIR BRUSH

### 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

Flam. Liq. 3 - H226: On basis of test data.

### Revision comments

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

### Revision date

12/05/2023

**30117 MARIGOLD AIR BRUSH**

|                                  |                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version number</b>            | 2.000                                                                                                                                                          |
| <b>Supersedes date</b>           | 29/04/2015                                                                                                                                                     |
| <b>SDS number</b>                | 15152                                                                                                                                                          |
| <b>SDS status</b>                | Approved.                                                                                                                                                      |
| <b>Hazard statements in full</b> | H225 Highly flammable liquid and vapour.<br>H226 Flammable liquid and vapour.<br>H319 Causes serious eye irritation.<br>H335 May cause respiratory irritation. |
| <b>Signature</b>                 | Lisa Bland                                                                                                                                                     |

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