(in accordance with Regulation (EU) 2015/830)

# FX-CM-FX Camaleon



## SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

### 1.1 Product identifier.

Product Name: FX Camaleon Product Code: FX-CM

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

Solvent-based resin of custom products

### Uses advised against:

Uses other than those recommended.

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

Company: CUSTOM CREATIVE

Address: C/ SEVILLA 43

City: JEREZ DE LA FRONTERA

Province: CADIZ

Telephone: (+34) 956045939 E-mail: info@customcreative.es Web: customcreative.es

1.4 Emergency telephone number: (+34) 956045939 (Only available during office hours; Monday-Friday; 08:00-18:00)

### **SECTION 2: HAZARDS IDENTIFICATION.**

### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Eye Dam. 1 : Causes serious eye damage. Flam. Liq. 3 : Flammable liquid and vapour. STOT SE 3 : May cause drowsiness or dizziness.

Skin Irrit. 2: Causes skin irritation.

#### 2.2 Label elements.

### Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:







# Signal Word:

# Danger

H statements:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

### P statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children. P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P501 Dispose of contents/container to ...

Contains:

n-butanol,butan-1-ol n-butyl acetate

In accordance with section 1.5.2.1.1 of Regulation (EC) 1272/2008, labels on containers less than 125 ml of this product may not contain any items appearing on this safety data sheet.

#### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.**

### 3.1 Substances.

Not Applicable.

#### 3.2 Mixtures.

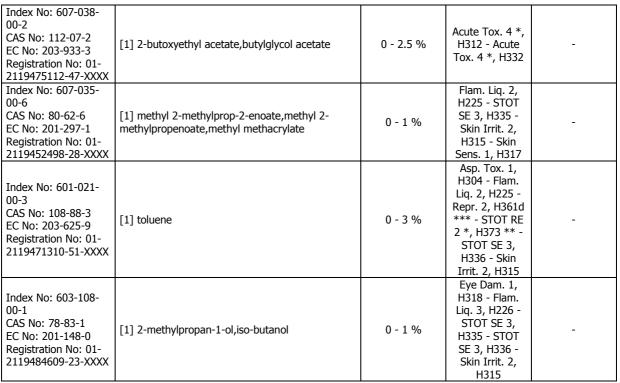
Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

|   |                                 |             | (*)Classification - Regulation (EC)<br>No 1272/2008  |                                    |
|---|---------------------------------|-------------|--|------------------------------------|
| Identifiers   | Name                            | Concentrate | Classification   | specific<br>concentration<br>limit |
| Index No: 607-025-<br>00-1<br>CAS No: 123-86-4<br>EC No: 204-658-1<br>Registration No: 01-<br>2119485493-29-XXXX  | [1] n-butyl acetate             | 20 - 25 %   | Flam. Liq. 3,<br>H226 - STOT<br>SE 3, H336   | -                                  |
| Index No: 603-004-<br>00-6<br>CAS No: 71-36-3<br>EC No: 200-751-6<br>Registration No: 01-<br>2119484630-38-XXXX   | [1] n-butanol,butan-1-ol        | 3 - 10 %    | Acute Tox. 4 *,<br>H302 - Eye<br>Dam. 1, H318 -<br>Flam. Liq. 3,<br>H226 - STOT<br>SE 3, H335 -<br>STOT SE 3,<br>H336 - Skin<br>Irrit. 2, H315 | -                                  |
| Index No: 601-022-<br>00-9<br>CAS No: 1330-20-7<br>EC No: 215-535-7<br>Registration No: 01-<br>2119488216-32-XXXX | [1] xylene (Mixture of isomers) | 1 - 10 %    | Acute Tox. 4 *,<br>H312 - Acute<br>Tox. 4 *, H332<br>- Flam. Liq. 3,<br>H226 - Skin<br>Irrit. 2, H315  | -                                  |
| Index No: 601-023-<br>00-4<br>CAS No: 100-41-4<br>EC No: 202-849-4<br>Registration No: 01-<br>2119489370-35-XXXX  | [1] ethylbenzene                | 1 - 10 %    | Acute Tox. 4 *,<br>H332 - Asp.<br>Tox. 1, H304 -<br>Flam. Liq. 2,<br>H225 - STOT<br>RE 2,<br>H373(órganos<br>de audición)                      | -                                  |

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<sup>(\*)</sup> The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

#### **SECTION 4: FIRST AID MEASURES.**

IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### **Eve contact**

Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Contact with eyes may cause irreversible damage.

<sup>\*, \*\*, \*\*\*</sup> See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

<sup>[1]</sup> Substance with a Community workplace exposure limit (see section 8.1).

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

Request immediate medical attention. Never administer anything orally to persons who are unconscious. Do not induce vomiting. If the person vomits, clear the respiratory tract. Cover the affected area with a dry sterile bandage. Protect the affected area from pressure or friction.

#### **SECTION 5: FIREFIGHTING MEASURES.**

Flammable product, the necessary prevention measures should be taken in order to avoid risks, In case of fire, the following measures are recommended:

#### 5.1 Extinguishing media.

#### Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

### **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

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

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

### Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

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

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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## **SECTION 7: HANDLING AND STORAGE.**

#### 7.1 Precautions for safe handling.

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use antistatic footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

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

Not available.

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.**

### 8.1 Control parameters.

Work exposure limit for:

| Name                        | CAS No.   | Country        | Limit value | ppm          | mg/m³      |
|-----------------------------|-----------|----------------|-------------|--------------|------------|
|                             |           | United         | Eight hours | 150          | 724        |
|                             |           | Kingdom [1]    | Short term  | 200          | 966        |
|                             |           | United States  | Eight hours | 150          |            |
| n-butyl acetate             | 123-86-4  | [2] (Cal/OSHA) | Short term  | 200          |            |
| 11-butyl acetate            | 125-00-4  | United States  | Eight hours | 150          |            |
|                             |           | [3] (NIOSH)    | Short term  | 200          |            |
|                             |           | United States  | Eight hours | 150          | 710        |
|                             |           | [4] (OSHA)     | Short term  |              |            |
|                             |           | United         | Eight hours |              |            |
|                             | 71-36-3   | Kingdom [1]    | Short term  | 50           | 154        |
|                             |           | United States  | Eight hours | (Ceiling) 50 |            |
| n-butanol,butan-1-ol        |           | [2] (Cal/OSHA) | Short term  |              |            |
| In Satarior/Satari 1 or     |           | United States  | Eight hours | (Ceiling) 50 |            |
|                             |           | [3] (NIOSH)    | Short term  |              |            |
|                             |           | United States  | Eight hours | 100          | 300        |
|                             |           | [4] (OSHA)     | Short term  |              |            |
|                             |           | European       | Eight hours | 50 (skin)    | 221 (skin) |
| xylene (Mixture of isomers) | 1330-20-7 | Union [5]      | Short term  | 100 (skin)   | 442 (skin) |
| Aylene (Mature of Isomers)  | 1550 20 7 | United         | Eight hours | 50           | 220        |
|                             |           | Kingdom [1]    | Short term  | 100          | 441        |
|                             |           | European       | Eight hours | 100 (skin)   | 442 (skin) |
| ethylbenzene                | 100-41-4  | Union [5]      | Short term  | 200 (skin)   | 884 (skin) |
| Caryiberizerie              | 100 11 1  | United         | Eight hours | 100          | 441        |
|                             |           | Kingdom [1]    | Short term  | 125          | 552        |

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|                                     |          | Links d Chakes               | Fight because | 5  |            |
|-------------------------------------|----------|------------------------------|---------------|--|------------|
|                                     |          | United States [2] (Cal/OSHA) | Eight hours   | 30   |            |
|                                     |          |                              | Short term    |  |            |
|                                     |          | United States                | Eight hours   | 100  |            |
|                                     |          | [3] (NIOSH)                  | Short term    | 125  | 425        |
|                                     |          | United States                | Eight hours   | 100  | 435        |
|                                     |          | [4] (OSHA)                   | Short term    | 20 ( ! : )   | 100 ( 1: ) |
|                                     |          | European                     | Eight hours   | 20 (skin)  | 133 (skin) |
| 2-butoxyethyl acetate,butylglycol   | 112-07-2 | Union [5]                    | Short term    | 50 (skin)  | 333 (skin) |
| acetate                             |          | United                       | Eight hours   | 20   | 133        |
|                                     |          | Kingdom [1]                  | Short term    | 50   | 332        |
|                                     |          | European                     | Eight hours   | 50   |            |
|                                     |          | Union [5]                    | Short term    | 100  |            |
|                                     |          | United                       | Eight hours   | 50   | 208        |
| methyl 2-methylprop-2-enoate,methyl |          | Kingdom [1]                  | Short term    | 100  | 416        |
| 2-methylpropenoate,methyl           | 80-62-6  | United States                | Eight hours   | 50   |            |
| methacrylate                        | 00 02 0  | [2] (Cal/OSHA)               | Short term    | 100  |            |
| The diad yield                      |          | United States                | Eight hours   | 100  |            |
|                                     |          | [3] (NIOSH)                  | Short term    |  |            |
|                                     |          | United States                | Eight hours   | 100  | 410        |
|                                     |          | [4] (OSHA)                   | Short term    |  |            |
|                                     |          | European                     | Eight hours   | 50 (skin)  | 192 (skin) |
|                                     |          | Union [5]                    | Short term    | 100 (skin)   | 384 (skin) |
|                                     |          | United                       | Eight hours   | 50   | 191        |
|                                     |          | Kingdom [1]                  | Short term    | 100  | 384        |
|                                     |          | United States                | Eight hours   | 10   |            |
|                                     |          | [2] (Cal/OSHA)               | Short term    | 150 (Ceiling) 500  |            |
|                                     |          | United States                | Eight hours   | 100  |            |
|                                     |          | [3] (NIOSH)                  | Short term    | 150  |            |
| toluene                             | 108-88-3 |                              | Eight hours   | 200  |            |
|                                     |          | United States<br>[4] (OSHA)  | Short term    | 300 Acceptable maximum peak above the acceptable ceiling concentration for an 8-hr shift: 500 [10 min] |            |
|                                     |          | United                       | Eight hours   | 50   | 154        |
|                                     |          | Kingdom [1]                  | Short term    | 75   | 231        |
|                                     |          | United States                | Eight hours   | 50   |            |
| 2-methylpropan-1-ol,iso-butanol     | 78-83-1  | [2] (Cal/OSHA)               | Short term    |  |            |
| 2 metryipropan i or,iso butanoi     | 70 05 1  | United States                | Eight hours   | 50   |            |
|                                     |          | [3] (NIOSH)                  | Short term    |  |            |
|                                     |          | United States                | Eight hours   | 100  | 300        |
|                                     |          | [4] (OSHA)                   | Short term    |  |            |

<sup>[1]</sup> According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adobted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

| Name | DNEL/DMEL | Type | Value |
|------|-----------|------|-------|
|------|-----------|------|-------|

<sup>[2]</sup> California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

<sup>[3]</sup> According Compendium of Policy Documents and Statements adopted by National Institute for Occupational Safety and Health (NIOSH).

<sup>[4]</sup> According Occupational Health and Safety Standards and US Code of Federal Regulations adopted by US Occupational Safety and Health Administration (OSHA).

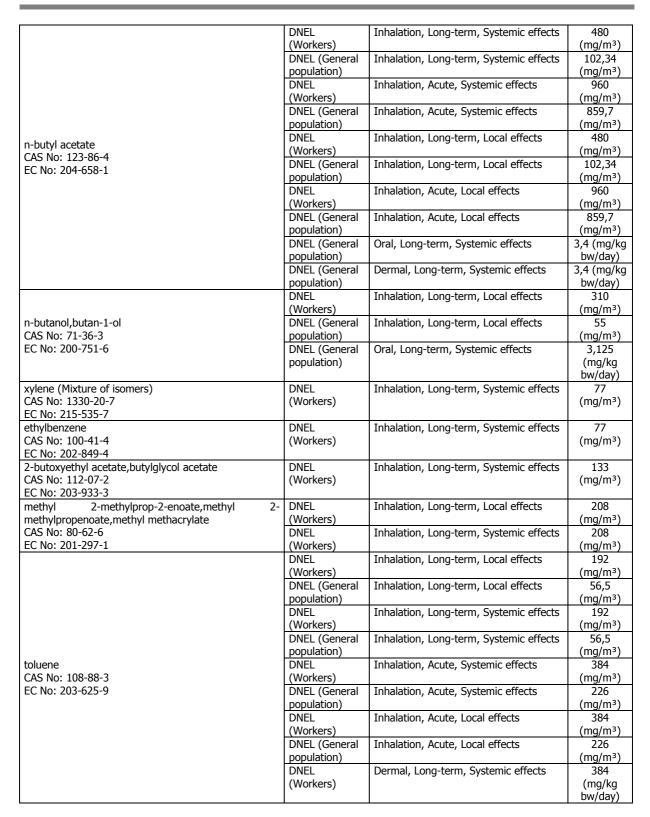
<sup>[5]</sup> According both Binding Occupational Esposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

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|  | DNEL (General population) | Dermal, Long-term, Systemic effects  | 226<br>(mg/kg<br>bw/day)  |
|--|---------------------------|--------------------------------------|---------------------------|
|  | DNEL (General population) | Oral, Long-term, Systemic effects    | 8,13<br>(mg/kg<br>bw/day) |
| 2-methylpropan-1-ol,iso-butanol<br>CAS No: 78-83-1 | DNEL<br>(Workers)         | Inhalation, Long-term, Local effects | 310<br>(mg/m³)            |
| EC No: 201-148-0                                   | DNEL (General population) | Inhalation, Long-term, Local effects | 55<br>(mg/m³)             |

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Concentration levels PNEC:

| Name                            | Details                      | Value        |
|---------------------------------|------------------------------|--------------|
|                                 | aqua (freshwater)            | 0,18 (mg/l)  |
|                                 | aqua (marine water)          | 0,018 (mg/l) |
|                                 | aqua (intermittent releases) | 0,36 (mg/l)  |
| n-butyl acetate                 | PNEC STP                     | 35,6 (mg/l)  |
| CAS No: 123-86-4                | sediment (freshwater)        | 0,981 (mg/kg |
| EC No: 204-658-1                |                              | sediment dw) |
|                                 | sediment (marine water)      | 0,0981       |
|                                 |                              | (mg/kg       |
|                                 |                              | sediment dw) |
|                                 | aqua (freshwater)            | 0,082 (mg/L) |
|                                 | aqua (marine water)          | 0,0082       |
|                                 |                              | (mg/L)       |
|                                 | aqua (intermittent releases) | 2,25 (mg/L)  |
| n-butanol,butan-1-ol            | PNEC STP                     | 2476 (mg/L)  |
| CAS No: 71-36-3                 | sediment (freshwater)        | 0,178 (mg/kg |
| EC No: 200-751-6                |                              | sediment dw) |
| LC NO. 200 751 0                | sediment (marine water)      | 0,0178       |
|                                 |                              | (mg/kg       |
|                                 |                              | sediment dw) |
|                                 | soil                         | 0,015 (mg/kg |
|                                 |                              | soil dw)     |
|                                 | aqua (freshwater)            | 0,68 (mg/L)  |
|                                 | aqua (marine water)          | 0,68 (mg/L)  |
| toluene                         | aqua (intermittent releases) | 0,68 (mg/L)  |
| CAS No: 108-88-3                | PNEC STP                     | 13,61 (mg/L) |
| EC No: 203-625-9                | sediment (freshwater)        | 16,39 (mg/kg |
| 20 1101 203 023 3               |                              | sediment dw) |
|                                 | sediment (marine water)      | 16,39 (mg/kg |
|                                 |                              | sediment dw) |
|                                 | aqua (freshwater)            | 0,4 (mg/L)   |
|                                 | aqua (marine water)          | 0,04 (mg/L)  |
|                                 | aqua (intermittent releases) | 11 (mg/L)    |
|                                 | STP                          | 10 (mg/L)    |
| 2-methylpropan-1-ol,iso-butanol | sediment (freshwater)        | 1,52 (mg/kg  |
| CAS No: 78-83-1                 |                              | sediment dw) |
| EC No: 201-148-0                | sediment (marine water)      | 0,152 (mg/kg |
|                                 |                              | sediment dw) |
|                                 | soil                         | 0,0699       |
|                                 |                              | (mg/kg soil  |
|                                 |                              | dw)          |

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

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### 8.2 Exposure controls.

## **Measures of a technical nature:**

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

| Concentration:        | 100 %  |  |  |  |  |  |  |
|-----------------------|--|--|--|--|--|--|--|
| Uses:                 | Solvent-based resin of custom products   |  |  |  |  |  |  |
| Breathing protection: |  |  |  |  |  |  |  |
|                       | d technical measures are observed, no individual protection equipment is necessary.  |  |  |  |  |  |  |
| Hand protection:      |  |  |  |  |  |  |  |
| PPE:                  | Work gloves.   |  |  |  |  |  |  |
| Characteristics:      | «CE» marking, category I.  |  |  |  |  |  |  |
| CEN standards:        | EN 374-1, En 374-2, EN 374-3, EN 420   |  |  |  |  |  |  |
| Maintenance:          | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.                                       |  |  |  |  |  |  |
| Observations:         | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.   |  |  |  |  |  |  |
| Material:             | PVC (polyvinyl chloride) Breakthrough time (min.): Material thickness (mm): 0,35   |  |  |  |  |  |  |
| Eye protection:       |  |  |  |  |  |  |  |
| PPE:                  | Protective goggles with built-in frame.  |  |  |  |  |  |  |
| Characteristics:      | «CE» marking, category II. Eye protector with built-in frame for protection against splashing liquid, dust, smoke, fog and vapour.   |  |  |  |  |  |  |
| CEN standards:        | EN 165, EN 166, EN 167, EN 168   |  |  |  |  |  |  |
| Maintenance:          | Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.  |  |  |  |  |  |  |
| Observations:         | Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.   |  |  |  |  |  |  |
| Skin protection:      |  |  |  |  |  |  |  |
| PPE:                  | Anti-static protective clothing.   |  |  |  |  |  |  |
| Characteristics:      | «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.   |  |  |  |  |  |  |
| CEN standards:        | EN 340, EN 1149-1, EN 1149-2, EN 1149-3, EN 1149-5   |  |  |  |  |  |  |
| Maintenance:          | In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.  |  |  |  |  |  |  |
| Observations:         | The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use. |  |  |  |  |  |  |
| PPE:                  | Anti-static safety footwear.   |  |  |  |  |  |  |
| Characteristics:      | «CE» marking, category II.   |  |  |  |  |  |  |
| CEN standards:        | EN ISO 13287, EN ISO 20344, EN ISO 20346   |  |  |  |  |  |  |
| Maintenance:          | The footwear should be checked regularly The level of comfort during use and acceptability are factors that are assessed very differently depending  |  |  |  |  |  |  |
| Observations:         | on the user. Therefore, it is advisable to try on different footwear models and, if possible, different widths.  |  |  |  |  |  |  |

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

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

Appearance:Transparent liquid with characteristic odour Colour: N.A./N.A.
Odour:N.A./N.A.
Odour threshold:N.A./N.A.
pH:N.A./N.A.
Melting point:N.A./N.A.

Melting point: N.A./N.A. Boiling Point: 106 °C Flash point: 35 °C

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Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A. Vapour pressure: 19,285 Vapour density:N.A./N.A. Relative density:0,976 Solubility:N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A. Oxidizing properties: N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

#### 9.2 Other information.

Pour point: N.A./N.A. Blink: N.A./N.A.

Kinematic viscosity: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### **SECTION 10: STABILITY AND REACTIVITY.**

# 10.1 Reactivity.

If the storage conditions are satisfied, does not produce dangerous reactions.

### 10.2 Chemical stability.

Unstable in contact with:

- Acids.
- Bases.
- Oxidizing agents.

# 10.3 Possibility of hazardous reactions.

Flammable liquid and vapour.

In certain conditions this may cause a polymerization reaction.

# 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating.
- High temperature.
- Static discharge.
- Contact with incompatible materials.
- Avoid temperatures near or above the flash point. Do not heat closed containers. Avoid direct sunlight and heat, as these may cause a risk of fire.

#### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.
- Explosives materials.
- Toxic materials.
- Oxidizing materials.

## 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

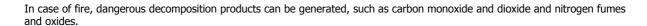
- COx (carbon oxides).
- Organic compounds.

(in accordance with Regulation (EU) 2015/830)

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## **SECTION 11: TOXICOLOGICAL INFORMATION.**

2-butoxyethanol and its acetate are easily absorbed by the skin and can cause noxious effects to the kidneys.

IRRITANT PREPARATION. The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

IRRITANT PREPARATION. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

### Toxicological information about the substances present in the composition.

| Nome                               |            | Acute toxicity           |  |   |  |  |
|------------------------------------|------------|--------------------------|--|---|--|--|
| Name                               | Туре       | Test                     | Kind   | Value   |  |  |
|                                    |            | LD50                     | Rat  | 10800 mg/kg bw [1]                                  |  |  |
|                                    | Oral       |                          | Toxicity Data<br>, Part B. Vol. 1,   | lournal of the American College of<br>Pg. 196, 1992 |  |  |
| n-butyl acetate                    |            | LD50                     | Rabbit   | >17600 mg/kg bw [1]                                 |  |  |
|                                    | Dermal     |                          | aterial Data Har<br>1, Pg. 7, 1974   | ndbook, Vol.1: Organic Solvents,                    |  |  |
|                                    |            | LC50                     | Rat  | 1.85 mg/l/4 h [1]                                   |  |  |
| CAS No: 123-86-4 EC No: 204-658-1  | Inhalation | [1] Inhalati             | ion Toxicology.  | Vol. 9, Pg. 623, 1997                               |  |  |
|                                    |            | LD50                     | Rat  | 4360 mg/kg bw [1]                                   |  |  |
|                                    | Oral       |                          | Carbide Corp. E<br>14-73. Export,  | Bushy Run Research Center, Project PA. 1951.        |  |  |
| n-butanol,butan-1-ol               |            | LD50                     | Rabbit   | 3402 mg/kg bw [1]                                   |  |  |
|                                    | Dermal     |                          | [1] Union Carbide Corp. Bushy Run Research Center, Pro<br>Report No.14-73. Export, PA. 1951. |   |  |  |
|                                    |            | LC50                     | Rat  | 7500 ppm (8 h) [1]                                  |  |  |
| CAS No: 71-36-3 EC No: 200-751-6   | Inhalation |                          | Carbide Corp. B<br>14-73. Export,  | ushy Run Research Center,   Project<br>PA. 1951.    |  |  |
|                                    |            | LD50                     | Rat  | 4300 mg/kg bw [1]                                   |  |  |
|                                    | Oral       | [1] AMA Ar               | chives of Indus  | trial Health. Vol. 14, Pg. 387, 1956                |  |  |
|                                    |            | LD50                     | Rabbit   | > 1700 mg/kg bw [1]                                 |  |  |
| xylene (Mixture of isomers)        | Dermal     | [1] Raw Ma<br>1974. Vol. |  | ndbook, Vol.1: Organic Solvents,                    |  |  |
|                                    |            | LC50                     | Rat  | 21,7 mg/l/4 h [1]                                   |  |  |
| CAS No: 1330-20-7 EC No: 215-535-7 | Inhalation |                          | aterial Data Har<br>1, Pg. 123, 197  | ndbook, Vol.1: Organic Solvents,<br>4               |  |  |
|                                    |            | LD50                     | Rat  | 3500 mg/kg bw [1]                                   |  |  |
| ethylbenzene                       | Oral       |                          |  | trial Health. Vol. 14, Pg. 387, 1956                |  |  |
| Cutybenzene                        |            | LD50                     | Rabbit   | 15400 mg/kg bw [1]                                  |  |  |
|                                    | Dermal     | [1] Food a               | nd Cosmetics T   | oxicology. Vol. 13, Pg. 803, 1975                   |  |  |

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| CAS No: 100-41-4                 | Inhalation |   |
|----------------------------------|------------|---|
|                                  |            | LD50 Rat 2830 mg/kg bw [1]  |
| 2-methylpropan-1-ol,iso-butanol  | Oral       | [1] Christopher, S.M. November 30, 1993. "Isobutanol: Acute toxicity and irritancy testing using the rat (peroral and inhalation toxicity) and the rabbit (cutaneous and ocular tests)". Bushy Run Research Center, Union Carbide Corp. Lab. Proj. ID 92U1166 |
|                                  | Dermal     | LD50 Rabbit 4240 mg/kg bw [1] [1] Smyth H.F. Jr. et al.: AMA Arch. Ind. Hyg. Occup. Med., 10, 61-68, (1954) as cited in IUCLID.   |
| CAS No: 78-83-1 EC No: 201-148-0 | Inhalation |   |

a) acute toxicity;

Not conclusive data for classification.

Acute Toxicity Estimate (ATE):

Mixtures:

ATE (Dermal) = 15.033 mg/kg

ATE (Oral) = 6.585 mg/kg

b) skin corrosion/irritation;

Product classified:

Skin irritant, Category 2: Causes skin irritation.

c) serious eye damage/irritation;

Product classified:

Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;

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

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Not conclusive data for classification.

g) reproductive toxicity;

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

h) STOT-single exposure;

Product classified:

Specific target organ toxicity following a single exposure, Category 3:

i) STOT-repeated exposure;

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

j) aspiration hazard;

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

# **SECTION 12: ECOLOGICAL INFORMATION.**

#### 12.1 Toxicity.

| NI   | Parkers lake. |
|------|---------------|
| Name | Ecotoxicity   |
|      | 200007110101  |

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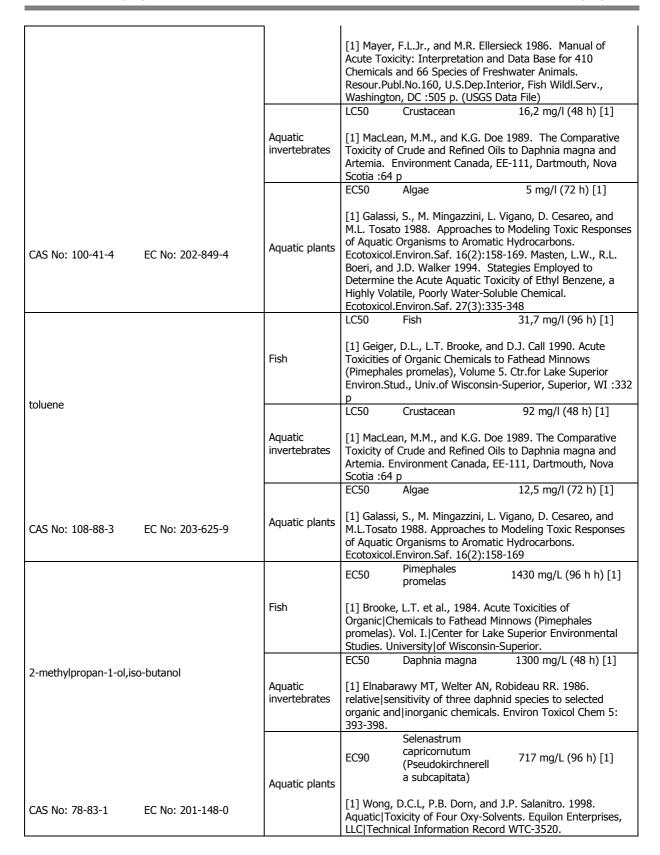
|   | 1                     | •  | T  |  |  |
|---|-----------------------|--|--|--|--|
|   | Туре                  | Test   | Kind   | Value  |  |
|   |                       | LC50   | Fish   | 81 mg/l (96 h) [1]   |  |
| n-butyl acetate                                 | Fish                  | Brachydani<br>Toxicity of<br>Abwasser-F<br>G.W., A.L.<br>Acute Toxic   | o rerio and Leuciscus<br>Chemicals and Waste<br>Forsch. 51(2):49-52 (<br>Jennings, D. Drozdov<br>city of 47 Industrial ( | son of the Sensitivity of sidus by Testing the Fish ewaters. Z.Wasser-(GER) (ENG ABS). Dawson, wski, and E. Rider 1977. The Chemicals to Fresh and er. 1(4):303-318 (OECDG |  |
|   | Aquatic               | EC50   | Daphnia sp.  | 44 mg/l (48 h) [1]   |  |
|   | invertebrates         | [1] publica  |  |  |  |
|   | Aquatic plants        | EC50   | Desmodesmus subspicatus (reported as Scenedesmus subspicatus)  | 674.7 mg/l (72 h) [1]  |  |
| CAS No: 123-86-4 EC No: 204-658-1               |                       | Umweltbur  | ndesamt (German Fed<br>draft, version Februa   | n inhibition test, according to<br>deral Environment Agency)<br>ry 1984)   |  |
|   |                       | LC50   | Pimephales promelas  | 1376 mg/L (96 h) [1]   |  |
|   | Fish                  | [1] Wong, D.C.L, P.B. Dorn, and J.P. Salanitro. 1998.<br>Aquatic Toxicity of Four Oxy-Solvents. Equilon Enterprises,<br>LLC Technical Information Record WTC-3520. |  |  |  |
| n-butanol,butan-1-ol                            | Aquatic invertebrates | Aquatic To   |  | 1328 mg/L (48 h) [1]<br>d J.P. Salanitro. 1998.<br>Ivents. Equilon Enterprises,<br>ord WTC-3520.   |  |
|   | Aquatic plants        | EC90   | Selenastrum<br>capricornutum<br>(Pseudokirchnerell<br>a subcapitata)   | 717 mg/L (96 h) [1]  |  |
| CAS No: 71-36-3 EC No: 200-751-6                |                       | Aquatic To   |  | d J.P. Salanitro. 1998.<br>Ivents. Equilon Enterprises,<br>ord WTC-3520.   |  |
|   | Fish                  | Time/Toxic<br>and Plug-F<br>(Eds.), Aqu<br>Symposium   | low Bioassays. In: R<br>natic Toxicology and I<br>n, ASTM STP 891, Ph  | hort-Term Static, Dynamic,<br>.C.Bahner and D.J.Hansen<br>Hazard Assessment, 8th<br>iladelphia, PA :193-212  |  |
| xylene (Mixture of isomers)                     | Aquatic invertebrates | [1] Tatem,<br>Toxicity of<br>Crustacean<br>H.E. 1975.<br>Petroleum<br>Palaemone  | Crustacean  H.E., B.A. Cox, and . Oils and Petroleum H. s. Estuar.Coast.Mar. The Toxicity and Ph. Hydrocarbons on Est    | 8,5 mg/l (48 h) [1] J.W. Anderson 1978. The hydrocarbons to Estuarine .Sci. 6(4):365-373. Tatem, ysiological Effects of Oil and uarine Grass Shrimp Ph.D.Thesis, Texas A&M |  |
| CAS No: 1330-20-7 EC No: 215-535-7 ethylbenzene | Aquatic plants        | LC50   | Fish   | 80 mg/l (05 h) [1]   |  |
| cutymenzene                                     | Fish                  | 1 1030   | 1 1511   | 80 mg/l (96 h) [1]   |  |

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### 12.2 Persistence and degradability.

There is no information available on the degradability of the substances present.

No information is available regarding the degradability of the substances present. No information is available about persistence and degradability of the product.

### 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

| Name                            |                  | Bioaccumulation |     |       |          |  |
|---------------------------------|------------------|-----------------|-----|-------|----------|--|
|                                 | Name             |                 | BCF | NOECs | Level    |  |
| n-butyl acetate                 |                  | 1,78            | _   |       | Vonclow  |  |
| N. CAS: 123-86-4                | EC No: 204-658-1 | 1,76            | -   | -     | Very low |  |
| n-butanol,butan-1-ol            |                  | 0.94            |     |       | Voncloss |  |
| N. CAS: 71-36-3                 | EC No: 200-751-6 | 0,84            | -   | -     | Very low |  |
| ethylbenzene                    |                  | 2.15            |     |       | Moderate |  |
| N. CAS: 100-41-4                | EC No: 202-849-4 | 3,15            | -   | -     | Moderate |  |
| toluene                         |                  | 2.72            | _   | _     | Low      |  |
| N. CAS: 108-88-3                | EC No: 203-625-9 | 2,73            | -   | -     | Low      |  |
| 2-methylpropan-1-ol,iso-butanol |                  | 0.76            |     |       | Vondlau  |  |
| N. CAS: 78-83-1                 | EC No: 201-148-0 | 0,76            | -   | -     | Very low |  |

### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

# 12.5 Results of PBT and vPvB assessment.

No information is available about the results of PBT and vPvB assessment of the product.

## 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

## **SECTION 13 DISPOSAL CONSIDERATIONS.**

# 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

## **SECTION 14: TRANSPORT INFORMATION.**

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

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Transport documentation: Consignment note and written instructions

<u>Sea</u>: Transport by ship: IMDG. Transport documentation: Bill of lading <u>Air</u>: Transport by plane: ICAO/IATA. Transport document: Airway bill.

**14.1 UN number.** UN No: UN1263

#### 14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG III, (D/E) IMDG: UN 1263, PAINT, 3, PG III ICAO/IATA: UN 1263, PAINT, 3, PG III

## 14.3 Transport hazard class(es).

Class(es): 3

#### 14.4 Packing group.

Packing group: III

#### 14.5 Environmental hazards.

Marine pollutant: No

### 14.6 Special precautions for user.

Labels: 3



Hazard number: 30 ADR LQ: 5 L IMDG LQ: 5 L ICAO LQ: 10 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR. Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-E,S-E Proceed in accordance with point 6.

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

The product is not transported in bulk.

#### **SECTION 15: REGULATORY INFORMATION.**

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

Product Subcategory (Directive 2004/42/EC): Topcoat (All types) Phase I\* (from 01/01/2007): 420 g/l Phase II\* (from 01/01/2010): 420 g/l (\*) g/l ready to use

VOC content (p/p): 40,632 % VOC content: 396,606 g/l

(in accordance with Regulation (EU) 2015/830)

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The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

| Designation of the substance, of the group of substances or of the mixture | Conditions of restriction  |
|--|--|
| 48. Toluene  | Shall not be placed on the market, or used, as a substance or in mixtures in a             |
| CAS No 108-88-3  | concentration equal to or greater than 0,1 % by weight where the substance                 |
| EC No 203-625-9  | or mixture is used in adhesives or spray paints intended for supply to the general public. |

Kind of pollutant for the water (Germany): WGK 2: Hazardous for the water. (Autoclassified according to the AwSV Regulations)

#### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## **SECTION 16: OTHER INFORMATION.**

Complete text of the H phrases that appear in section 3:

Highly flammable liquid and vapour.

| H226   | Flammable liquid and vapour.   |  |
|--|--|--|
| H302   | Harmful if swallowed.  |  |
| H304   | May be fatal if swallowed and enters airways.  |  |
| H312   | Harmful in contact with skin.  |  |
| H315   | Causes skin irritation.  |  |
| H317   | May cause an allergic skin reaction.   |  |
| H318   | Causes serious eye damage.   |  |
| H332   | Harmful if inhaled.  |  |
| H335   | May cause respiratory irritation.  |  |
| H336   | May cause drowsiness or dizziness.   |  |
| H361d  | Suspected of damaging the unborn child.  |  |
| H373   | May cause damage to organs through prolonged or repeated exposure.   |  |
| H373   | May cause damage to organs <or affected,="" all="" if="" known="" organs="" state=""> through prolonged or repeated</or> |  |
| exposure <state cause="" conclusively="" exposure="" hazard="" if="" is="" it="" no="" of="" other="" proven="" route="" routes="" that="" the="">.(órganos de</state> |  |  |

### Classification codes:

audición)

H225

Acute Tox. 4: Acute toxicity (Dermal), Category 4 Acute Tox. 4: Acute toxicity (Inhalation), Category 4 Acute Tox. 4: Acute toxicity (Oral), Category 4 Asp. Tox. 1: Aspiration toxicity, Category 1 Eye Dam. 1 : Serious eye damage, Category 1 Flam. Liq. 2: Flammable liquid, Category 2 Flam. Liq. 3: Flammable liquid, Category 3 Repr. 2: Reproductive toxicant, Category 2

STOT RE 2: Specific target organ toxicity following a repeated exposure, Category 2 STOT SE 3: Specific target organ toxicity following a single exposure, Category 3

Skin Irrit. 2: Skin irritant, Category 2 Skin Sens. 1: Skin sensitiser, Category 1

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Sections changed compared with the previous version:

1,4,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AwSV: Facility Regulations for handling substances that are hazardous for the water.

BCF: Bioconcentration factor.

European Committee for Standardization. CEN:

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

EC50: Half maximal effective concentration. PPE: Personal protection equipment. IATA: International Air Transport Association. ICAO: International Civil Aviation Organization.

International Maritime Code for Dangerous Goods. IMDG:

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water.

NOEC: No observed effect concentration.

Predicted No Effect Concentration, concentration of the substance below which adverse effects are PNEC:

not expected in the environmental compartment.

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

WGK: Water hazard classes.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.