

Liqcreate - Premium Flex

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** Liqcreate - Premium Flex
Other means of identification:
UFI: 4U00-116S-N007-C11F
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
 Relevant uses: Resin for 3D Printing. For professional users/industrial user only.
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
 ALT Group BV
 Texasdreef 7
 3565 CL Utrecht - The Netherlands
 Phone: +31850605849
 info@liqcreate.com
 www.liqcreate.com
- 1.4 Emergency telephone number:** +31850605849 Mo-Fr 8:30-17:00

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
 Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
 Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
 Eye Irrit. 2: Eye irritation, Category 2, H319
 Skin Irrit. 2: Skin irritation, Category 2, H315
 Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning
-  
- Hazard statements:**
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.
- Precautionary statements:**
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264: Wash thoroughly after handling.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
 P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P391: Collect spillage.
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**
 Contains (5-ethyl-1,3-dioxan-5-yl)methyl acrylate, 2,2-bis(acryloyloxymethyl)butyl acrylate, diisodecyl phenyl phosphite, Diphenyl (2,4,6-trimethylbenzoyl)phosphine oxide.
- UFI:** 4U00-116S-N007-C11F

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SECTION 2: HAZARDS IDENTIFICATION (continued)

Additional labeling:

UFI: 4U00-116S-N007-C11F

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture of substances

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|--|
| CAS: 66492-51-1 EC: 266-380-7 Index: 607-133-00-9 REACH: 01-2119976303-36-XXXX | (5-ethyl-1,3-dioxan-5-yl)methyl acrylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Warning | 30 - <40 %  |
| CAS: Non-applicable EC: 944-664-8 Index: Non-applicable REACH: Non-applicable | Urethane Acrylate Oligomer⁽¹⁾ Self-classified Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning | 9 - <30 %  |
| CAS: 7534-94-3 EC: 231-403-1 Index: 607-134-00-4 REACH: 01-2119886505-27-XXXX | exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate⁽¹⁾ ATP CLP00 Regulation 1272/2008 Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning | 3 - <9 %  |
| CAS: 75980-60-8 EC: 278-355-8 Index: 015-203-00-X REACH: 01-2119972295-29-XXXX | Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Chronic 2: H411; Repr. 2: H361f; Skin Sens. 1B: H317 - Warning | 2 - <2,5 %  |
| CAS: 15625-89-5 EC: 239-701-3 Index: 607-111-00-9 REACH: 01-2119489896-11-XXXX | 2,2-bis(acryloyloxymethyl)butyl acrylate⁽¹⁾ Self-classified Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Warning | 0,5 - <2 %  |
| CAS: 25550-98-5 EC: 247-098-3 Index: Non-applicable REACH: 01-2119962888-14-XXXX | diisodecyl phenyl phosphite⁽¹⁾ Self-classified Regulation 1272/2008 Skin Sens. 1: H317 - Warning | 0,1 - <0,5 %  |
| CAS: 108-88-3 EC: 203-625-9 Index: 601-021-00-3 REACH: 01-2119471310-51-XXXX | Toluene⁽²⁾ ATP CLP00 Regulation 1272/2008 Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger | 0,01 - <0,1 %  |
| CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX | N-butyl acetate⁽²⁾ ATP CLP00 Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning | <0,01 %  |
| CAS: 108-95-2 EC: 203-632-7 Index: 604-001-00-2 REACH: 01-2119471329-32-XXXX | phenol⁽²⁾ ATP CLP00 Regulation 1272/2008 Acute Tox. 3: H301+H311+H331; Muta. 2: H341; Skin Corr. 1B: H314; STOT RE 2: H373 - Danger | <0,01 %  |

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

⁽²⁾ Substance with a Union workplace exposure limit

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification | Specific concentration limit |
|--|---|
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1 | % (w/w) >=10: STOT SE 3 - H335 |
| phenol CAS: 108-95-2 EC: 203-632-7 | % (w/w) >=3: Skin Corr. 1B - H314 1<= % (w/w) <3: Skin Irrit. 2 - H315 % (w/w) >=1: Eye Irrit. 2 - H319 |

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:**Suitable extinguishing media:**

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

For emergency responders:

See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and destroy using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

Maximum time: 15 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | | Occupational exposure limits | |
|--|--------------|------------------------------|-----------------------|
| Toluene CAS: 108-88-3 EC: 203-625-9 | IOELV (8h) | 50 ppm | 192 mg/m ³ |
| | IOELV (STEL) | 100 ppm | 384 mg/m ³ |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | IOELV (8h) | 50 ppm | 241 mg/m ³ |
| | IOELV (STEL) | 150 ppm | 723 mg/m ³ |
| phenol CAS: 108-95-2 EC: 203-632-7 | IOELV (8h) | 2 ppm | 8 mg/m ³ |
| | IOELV (STEL) | 4 ppm | 16 mg/m ³ |

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|-------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,35 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,22 mg/m ³ | Non-applicable |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide CAS: 75980-60-8 EC: 278-355-8 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,233 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,822 mg/m ³ | Non-applicable |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 83 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 3,5 mg/m ³ | Non-applicable |
| diisodecyl phenyl phosphite CAS: 25550-98-5 EC: 247-098-3 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 50 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 70,5 mg/m ³ | Non-applicable |
| Toluene CAS: 108-88-3 EC: 203-625-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 384 mg/kg | Non-applicable |
| | Inhalation | 384 mg/m ³ | 384 mg/m ³ | 192 mg/m ³ | 192 mg/m ³ |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | 11 mg/kg | Non-applicable | 11 mg/kg | Non-applicable |
| | Inhalation | 600 mg/m ³ | 600 mg/m ³ | 300 mg/m ³ | 300 mg/m ³ |
| phenol CAS: 108-95-2 EC: 203-632-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 1,23 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 16 mg/m ³ | 8 mg/m ³ | Non-applicable |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|-------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1 | Oral | Non-applicable | Non-applicable | 0,21 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,21 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,36 mg/m ³ | Non-applicable |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide CAS: 75980-60-8 EC: 278-355-8 | Oral | Non-applicable | Non-applicable | 0,0833 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,0833 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,145 mg/m ³ | Non-applicable |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | Oral | Non-applicable | Non-applicable | 0,5 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 42 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,87 mg/m ³ | Non-applicable |
| Toluene CAS: 108-88-3 EC: 203-625-9 | Oral | Non-applicable | Non-applicable | 8,13 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 226 mg/kg | Non-applicable |
| | Inhalation | 226 mg/m ³ | 226 mg/m ³ | 56,5 mg/m ³ | 56,5 mg/m ³ |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Oral | 2 mg/kg | Non-applicable | 2 mg/kg | Non-applicable |
| | Dermal | 6 mg/kg | Non-applicable | 6 mg/kg | Non-applicable |
| | Inhalation | 300 mg/m ³ | 300 mg/m ³ | 35,7 mg/m ³ | 35,7 mg/m ³ |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|----------------|----------------|------------------------|----------------|
| | | Systemic | Local | Systemic | Local |
| phenol CAS: 108-95-2 EC: 203-632-7 | Oral | Non-applicable | Non-applicable | 0,4 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,4 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 1,32 mg/m ³ | Non-applicable |

PNEC:

| Identification | | Short exposure | | Long exposure | |
|--|--------------|----------------|-------------------------|---------------|--|
| (5-ethyl-1,3-dioxan-5-yl)methyl acrylate CAS: 66492-51-1 EC: 266-380-7 | STP | 30 mg/L | Fresh water | 0,004 mg/L | |
| | Soil | 0,001 mg/kg | Marine water | 0 mg/L | |
| | Intermittent | 0,04 mg/L | Sediment (Fresh water) | 0,019 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,002 mg/kg | |
| exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate CAS: 7534-94-3 EC: 231-403-1 | STP | 2,45 mg/L | Fresh water | 0,00233 mg/L | |
| | Soil | 0,239 mg/kg | Marine water | 0,000233 mg/L | |
| | Intermittent | 0,0179 mg/L | Sediment (Fresh water) | 1,2 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,12 mg/kg | |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide CAS: 75980-60-8 EC: 278-355-8 | STP | Non-applicable | Fresh water | 0,0014 mg/L | |
| | Soil | 0,0222 mg/kg | Marine water | 0,00014 mg/L | |
| | Intermittent | 0,014 mg/L | Sediment (Fresh water) | 0,115 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,0115 mg/kg | |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | STP | 6,25 mg/L | Fresh water | 0,00087 mg/L | |
| | Soil | 0,003 mg/kg | Marine water | 0,000087 mg/L | |
| | Intermittent | 0,0087 mg/L | Sediment (Fresh water) | 0,017 mg/kg | |
| | Oral | 0,01 g/kg | Sediment (Marine water) | 0,002 mg/kg | |
| Toluene CAS: 108-88-3 EC: 203-625-9 | STP | 13,61 mg/L | Fresh water | 0,68 mg/L | |
| | Soil | 2,89 mg/kg | Marine water | 0,68 mg/L | |
| | Intermittent | 0,68 mg/L | Sediment (Fresh water) | 16,39 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 16,39 mg/kg | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | STP | 35,6 mg/L | Fresh water | 0,18 mg/L | |
| | Soil | 0,09 mg/kg | Marine water | 0,018 mg/L | |
| | Intermittent | 0,36 mg/L | Sediment (Fresh water) | 0,981 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,098 mg/kg | |
| phenol CAS: 108-95-2 EC: 203-632-7 | STP | 2,1 mg/L | Fresh water | 0,008 mg/L | |
| | Soil | 0,136 mg/kg | Marine water | 0,001 mg/L | |
| | Intermittent | 0,031 mg/L | Sediment (Fresh water) | 0,091 mg/kg | |
| | Oral | Non-applicable | Sediment (Marine water) | 0,009 mg/kg | |

8.2 Exposure controls:

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---------------------|--|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: FFP2) |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|--|---|---------------------|--|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours (Filter type: A) |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|--------------|--|
|  Mandatory hand protection | Protective gloves against minor risks (Material: Nitrile) |  | | Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420:2004+A1:2010 and EN ISO 374-1:2016+A1:2018 |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|--|---------------------------------|---|
|  Mandatory face protection | Panoramic glasses against splash/projections. |  | EN 166:2002 EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|-----------|----------------------|---|-------------------|---|
| | Work clothing |  | | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. |
| | Anti-slip work shoes |  | EN ISO 20347:2012 | Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007 |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---------------------------|----------------|
| V.O.C. (Supply): | 0,03 % weight |
| V.O.C. density at 20 °C: | Non-applicable |
| Average carbon number: | 6,98 |
| Average molecular weight: | 92,5 g/mol |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

For complete information see the product datasheet.

Appearance:

| | |
|--------------------------|--|
| Physical state at 20 °C: | Liquid |
| Appearance: | Viscous |
| Colour: | According to the markings on the package |
| Odour: | Resin |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|------------------|
| Boiling point at atmospheric pressure: | Non-applicable * |
| Vapour pressure at 20 °C: | Non-applicable * |
| Vapour pressure at 50 °C: | Non-applicable * |
| Evaporation rate at 20 °C: | Non-applicable * |

Product description:

| | |
|--|--------------------------|
| Density at 20 °C: | Non-applicable * |
| Relative density at 20 °C: | Non-applicable * |
| Dynamic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 20 °C: | Non-applicable * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |
| Concentration: | Non-applicable * |
| pH: | ≈6 - 8 (at 100 %) |
| Vapour density at 20 °C: | Non-applicable * |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable * |
| Solubility in water at 20 °C: | Non-applicable * |
| Solubility properties: | Non-applicable * |
| Decomposition temperature: | Non-applicable * |
| Melting point/freezing point: | Non-applicable * |

Flammability:

| | |
|----------------------------|------------------------|
| Flash Point: | Non Flammable (>60 °C) |
| Flammability (solid, gas): | Non-applicable * |
| Autoignition temperature: | 380 °C |
| Lower flammability limit: | Non-applicable * |
| Upper flammability limit: | Non-applicable * |

Particle characteristics:

| | |
|-----------------------------|----------------|
| Median equivalent diameter: | Non-applicable |
|-----------------------------|----------------|

9.2 Other information:

Information with regard to physical hazard classes:

| | |
|--|------------------|
| Explosive properties: | Non-applicable * |
| Oxidising properties: | Non-applicable * |
| Corrosive to metals: | Non-applicable * |
| Heat of combustion: | Non-applicable * |
| Aerosols-total percentage (by mass) of flammable components: | Non-applicable * |

Other safety characteristics:

| | |
|---------------------------|------------------|
| Surface tension at 20 °C: | Non-applicable * |
| Refraction index: | Non-applicable * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -

Liqcreate - Premium Flex**SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|------------|----------------|
| Not applicable | Not applicable | Precaution | Precaution | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Produces skin inflammation.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: 2,2-bis(acryloyloxymethyl)butyl acrylate (2B); Toluene (3); phenol (3)
- Mutagenicity: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with mutagenic effects. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

- CONTINUED ON NEXT PAGE -

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|---|-----------------|-----------------|--------|
| | LD50 oral | LD50 dermal | |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | 5170 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide CAS: 75980-60-8 EC: 278-355-8 | LD50 oral | >5000 mg/kg | Rat |
| | LD50 dermal | Non-applicable | |
| | LC50 inhalation | Non-applicable | |
| Toluene CAS: 108-88-3 EC: 203-625-9 | LD50 oral | 5580 mg/kg | Rat |
| | LD50 dermal | 12124 mg/kg | Rat |
| | LC50 inhalation | 28,1 mg/L (4 h) | Rat |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | LD50 oral | 12789 mg/kg | Rat |
| | LD50 dermal | 14112 mg/kg | Rabbit |
| | LC50 inhalation | 23,4 mg/L (4 h) | Rat |
| phenol CAS: 108-95-2 EC: 203-632-7 | LD50 oral | 100 mg/kg | Rat |
| | LD50 dermal | 630 mg/kg | Rabbit |
| | LC50 inhalation | Non-applicable | |

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria.

Other information

Non-applicable

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SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | Species | Genus | |
|---|---------------|------------------|-------------------------|------------|
| (5-ethyl-1,3-dioxan-5-yl)methyl acrylate CAS: 66492-51-1 EC: 266-380-7 | LC50 | 4 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 20 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 34 mg/L (72 h) | Desmodesmus subspicatus | Algae |
| Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide CAS: 75980-60-8 EC: 278-355-8 | LC50 | >1 - 10 (96 h) | | Fish |
| | EC50 | >1 - 10 (48 h) | | Crustacean |
| | EC50 | >1 - 10 (72 h) | | Algae |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | LC50 | 0,87 mg/L (96 h) | N/A | Fish |
| | EC50 | 20 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 4,9 mg/L (96 h) | Desmodesmus subspicatus | Algae |
| Toluene CAS: 108-88-3 EC: 203-625-9 | LC50 | 5,5 mg/L (96 h) | Oncorhynchus kisutch | Fish |
| | EC50 | 3,78 mg/L (48 h) | Ceriodaphnia dubia | Crustacean |
| | EC50 | Non-applicable | | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | LC50 | Non-applicable | | |
| | EC50 | Non-applicable | | |
| | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| phenol CAS: 108-95-2 EC: 203-632-7 | LC50 | 14 mg/L (96 h) | Leuciscus idus | Fish |
| | EC50 | 12 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | 370 mg/L (96 h) | Chlorella vulgaris | Algae |

Chronic toxicity:

| Identification | Concentration | Species | Genus | |
|--|---------------|----------------|------------------|------------|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | NOEC | Non-applicable | | |
| | NOEC | 23,2 mg/L | Daphnia magna | Crustacean |
| phenol CAS: 108-95-2 EC: 203-632-7 | NOEC | 0,077 mg/L | Cirrhina mrigala | Fish |
| | NOEC | 0,16 mg/L | Daphnia magna | Crustacean |

12.2 Persistence and degradability:

| Identification | Degradability | | Biodegradability | |
|--|---------------|----------------|------------------|---------|
| | | | | |
| (5-ethyl-1,3-dioxan-5-yl)methyl acrylate CAS: 66492-51-1 EC: 266-380-7 | BOD5 | Non-applicable | Concentration | 10 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 28 % |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Degradability | | Biodegradability | |
|--|---------------|----------------|------------------|----------------|
| | Parameter | Value | Parameter | Value |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 90 % |
| Toluene CAS: 108-88-3 EC: 203-625-9 | BOD5 | 2,5 g O2/g | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 14 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 100 % |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 5 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 84 % |
| phenol CAS: 108-95-2 EC: 203-632-7 | BOD5 | 1,68 g O2/g | Concentration | 100 mg/L |
| | COD | 2,33 g O2/g | Period | 14 days |
| | BOD5/COD | 0,72 | % Biodegradable | 85 % |

12.3 Bioaccumulative potential:

| Identification | Bioaccumulation potential | |
|--|---------------------------|----------|
| | Parameter | Value |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | BCF | 344 |
| | Pow Log | 4.35 |
| | Potential | High |
| Toluene CAS: 108-88-3 EC: 203-625-9 | BCF | 90 |
| | Pow Log | 2.73 |
| | Potential | Moderate |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BCF | 4 |
| | Pow Log | 1.78 |
| | Potential | Low |
| phenol CAS: 108-95-2 EC: 203-632-7 | BCF | 17 |
| | Pow Log | 1.48 |
| | Potential | Low |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|----------------|------------|--------------------------------|
| | Parameter | Value | Parameter | Value |
| (5-ethyl-1,3-dioxan-5-yl)methyl acrylate CAS: 66492-51-1 EC: 266-380-7 | Koc | 12 | Henry | 8,81E-3 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | No |
| | Surface tension | Non-applicable | Moist soil | No |
| 2,2-bis(acryloyloxymethyl)butyl acrylate CAS: 15625-89-5 EC: 239-701-3 | Koc | 160 | Henry | Non-applicable |
| | Conclusion | High | Dry soil | Non-applicable |
| | Surface tension | Non-applicable | Moist soil | Non-applicable |

- CONTINUED ON NEXT PAGE -

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Absorption/desorption | | Volatility | |
|---|-----------------------|--------------------------|------------|-------------------------------|
| Toluene CAS: 108-88-3 EC: 203-625-9 | Koc | 178 | Henry | 672,8 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 2,793E-2 N/m (25 °C) | Moist soil | Yes |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2,478E-2 N/m (25 °C) | Moist soil | Non-applicable |
| phenol CAS: 108-95-2 EC: 203-632-7 | Koc | 50 | Henry | 2,2E-2 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 1,847E-2 N/m (231,01 °C) | Moist soil | Yes |

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product fails to meet the criteria.

12.7 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 20 01 27* | paint, inks, adhesives and resins containing hazardous substances | Dangerous |

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP13 Sensitising, HP4 Irritant — skin irritation and eye damage

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Other information:

ADR/RID: Special Provisions 274, 335, 601, 375. Not restricted as per Special Provisions 375. The provided packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG: Special Provisions 274, 335, 969. Not restricted as per 2.10.2.7. The provided packaging meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA: Special Provisions A97, A158, A197. Not restricted as per Special Provisions A197. The provided packaging meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

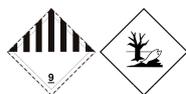
Products are transported on behalf of Liqcreate in sizes ≤5 L or ≤5 kg. The environmentally hazardous substance mark & the marine pollutant mark are not required when transported in sizes of ≤5 L or ≤5 kg.

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:

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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Special regulations: 274, 335, 375, 601
Tunnel restriction code: -
Physico-Chemical properties: see section 9
Limited quantities: 5 L
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

Transport of dangerous goods by sea:

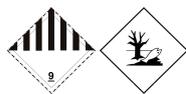
With regard to IMDG 40-20:



- 14.1 UN number or ID number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** Yes
- 14.6 Special precautions for user**
Special regulations: 335, 969, 274
EmS Codes: F-A, S-F
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Non-applicable
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2022:



- 14.1 UN number or ID number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((5-ethyl-1,3-dioxan-5-yl)methyl acrylate)
- 14.3 Transport hazard class(es):** 9
Labels: 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 Maritime transport in bulk according to IMO instruments:** Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

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Liqcreate - Premium Flex**SECTION 15: REGULATORY INFORMATION (continued)**

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-----------------------|-------------------------|-------------------------|
| E2 | ENVIRONMENTAL HAZARDS | 200 | 500 |

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMMISSION REGULATION (EU) 2020/878

Texts of the legislative phrases mentioned in section 2:

- H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H411: Toxic to aquatic life with long lasting effects.
 H319: Causes serious eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- Acute Tox. 3: H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.
 Aquatic Acute 1: H400 - Very toxic to aquatic life.
 Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
 Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
 Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
 Eye Irrit. 2: H319 - Causes serious eye irritation.
 Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
 Flam. Liq. 3: H226 - Flammable liquid and vapour.
 Muta. 2: H341 - Suspected of causing genetic defects.
 Repr. 2: H361d - Suspected of damaging the unborn child.
 Repr. 2: H361f - Suspected of damaging fertility.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
 Skin Irrit. 2: H315 - Causes skin irritation.
 Skin Sens. 1: H317 - May cause an allergic skin reaction.
 Skin Sens. 1B: H317 - May cause an allergic skin reaction.
 STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
 STOT SE 3: H335 - May cause respiratory irritation.
 STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

- CONTINUED ON NEXT PAGE -

Liqcreate - Premium Flex**SECTION 16: OTHER INFORMATION (continued)**

Skin Irrit. 2: Calculation method
Skin Sens. 1B: Calculation method
Aquatic Chronic 2: Calculation method
Eye Irrit. 2: Calculation method

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

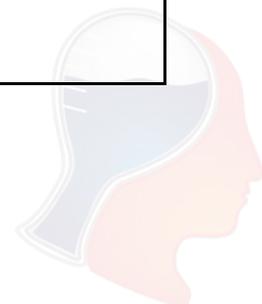
Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

LIQCREATE



The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -