OldWood
GROUNDS, OIL VARNISHES & NATURAL COLOURS

# OW16161 - Antique Old Yellow

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

**1.1 Product identifier:** OW16161 - Antique Old Yellow

**Other means of identification:**

**UFI:** 1HRE-K11D-5006-4XCG

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Relevant uses (Professional users): Dye for coatings
For Professional users only.
For use in varnishes with alcohol or polar solvents.

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:**

Oldwood Colours & Varnishes s.l.
Plaza Castilla, 3
28046 Madrid - España
Phone: 914118992
customer@oldwood1700.com
www.oldwood1700.com

**1.4 Emergency telephone number:**

## 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 Sens. 1B: Sensitisation, skin, Category 1B, H317
STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2, H373
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**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 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: H336 - May cause drowsiness or dizziness.

**Precautionary statements:**

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of water.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

**Substances that contribute to the classification**

1-ethoxypropan-2-ol (CAS: 1569-02-4); C.I.Acid Yellow 220

**UFI:** 1HRE-K11D-5006-4XCG

*** Changes with regards to the previous version*

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## SECTION 2: HAZARDS IDENTIFICATION ** (continued)

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

*** Changes with regards to the previous version*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

Not relevant

**3.2 Mixture:**

**Chemical description:** Dye/s in dissolution

**Components:**

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

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 112-34-5<br>EC: 203-961-6<br>Index: 603-096-00-8<br>REACH: 01-2119475104-44-XXXX | **2-(2-butoxyethoxy)ethanol(1)** | ATP CLP00 | **25 - <50 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319 - Warning | |
| CAS: 1569-02-4<br>EC: 216-374-5<br>Index: 603-177-00-8<br>REACH: 01-2119462792-32-XXXX | **1-ethoxypropan-2-ol(1)** | ATP CLP00 | **10 - <25 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | |
| CAS: Not relevant<br>EC: 941-792-6<br>Index: Not relevant<br>REACH: 01-2120065791-52-XXXX | **C.I.Acid Yellow 220(1)** | Self-classified | **10 - <25 %** |
| | Regulation 1272/2008 | Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1B: H317; STOT RE 2: H373 - Warning | |
| CAS: 105-60-2<br>EC: 203-313-2<br>Index: 613-069-00-2<br>REACH: 01-2119457029-36-XXXX | **ε-caprolactam(1)** | ATP CLP00 | **1 - <10 %** |
| | Regulation 1272/2008 | Acute Tox. 4: H302+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335 - Warning | |

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

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

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| 1-ethoxypropan-2-ol<br>CAS: 1569-02-4<br>EC: 216-374-5 | LD50 oral | Not relevant | |
| | LD50 dermal | Not relevant | |
| | LC50 inhalation vapour | 44,45 mg/L | Rat |
| ε-caprolactam<br>CAS: 105-60-2<br>EC: 203-313-2 | LD50 oral | 1475 mg/kg | Rat |
| | LD50 dermal | Not relevant | |
| | LC50 inhalation vapour | 11 mg/L | |

## 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:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

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## SECTION 4: FIRST AID MEASURES (continued)

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 lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of 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:**

Not relevant

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**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. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

**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.

## 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:**

Wear protective equipment. Keep unprotected persons away. 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:

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.
Spillages in water or sea:
Small spillages:
Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.
Large spillages:
If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

**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. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

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.- Specific storage requirements

Minimum Temp.: 5 ºC
Maximum Temp.: 30 ºC
Maximum time: 6 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):

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 | | |
|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | IOELV (8h) | 10 ppm | 67,5 mg/m³ |
| CAS: 112-34-5 EC: 203-961-6 | IOELV (STEL) | 15 ppm | 101,2 mg/m³ |
| ε-caprolactam | IOELV (8h) | | 10 mg/m³ |

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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 | | |
|---|---|---|---|
| CAS: 105-60-2 EC: 203-313-2 | IOELV (STEL) | | 40 mg/m³ |

**DNEL (Workers):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 83 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 101,2 mg/m³ | 67,5 mg/m³ | 67,5 mg/m³ |
| 1-ethoxypropan-2-ol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 1569-02-4 | Dermal | Not relevant | Not relevant | 74 mg/kg | Not relevant |
| EC: 216-374-5 | Inhalation | Not relevant | Not relevant | 106 mg/m³ | Not relevant |
| C.I.Acid Yellow 220 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: Not relevant | Dermal | Not relevant | Not relevant | 1,56 mg/kg | Not relevant |
| EC: 941-792-6 | Inhalation | Not relevant | Not relevant | 0,548 mg/m³ | Not relevant |
| ε-caprolactam | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 105-60-2 | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| EC: 203-313-2 | Inhalation | Not relevant | 10 mg/m³ | Not relevant | 5 mg/m³ |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | 5 mg/kg | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 50 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 60,7 mg/m³ | 40,5 mg/m³ | 40,5 mg/m³ |
| 1-ethoxypropan-2-ol | Oral | Not relevant | Not relevant | 14 mg/kg | Not relevant |
| CAS: 1569-02-4 | Dermal | Not relevant | Not relevant | 44,3 mg/kg | Not relevant |
| EC: 216-374-5 | Inhalation | Not relevant | Not relevant | 127 mg/m³ | Not relevant |
| C.I.Acid Yellow 220 | Oral | Not relevant | Not relevant | 0,0556 mg/kg | Not relevant |
| CAS: Not relevant | Dermal | Not relevant | Not relevant | 0,556 mg/kg | Not relevant |
| EC: 941-792-6 | Inhalation | Not relevant | Not relevant | 0,0967 mg/m³ | Not relevant |
| ε-caprolactam | Oral | Not relevant | Not relevant | 8,55 mg/kg | Not relevant |
| CAS: 105-60-2 | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| EC: 203-313-2 | Inhalation | Not relevant | 5 mg/m³ | Not relevant | 2,5 mg/m³ |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | STP | 200 mg/L | Fresh water | 1,1 mg/L |
| CAS: 112-34-5 | Soil | 0,32 mg/kg | Marine water | 0,11 mg/L |
| EC: 203-961-6 | Intermittent | 11 mg/L | Sediment (Fresh water) | 4,4 mg/kg |
| | Oral | 0,056 g/kg | Sediment (Marine water) | 0,44 mg/kg |
| 1-ethoxypropan-2-ol | STP | 1250 mg/L | Fresh water | 10 mg/L |
| CAS: 1569-02-4 | Soil | 1,97 mg/kg | Marine water | 1 mg/L |
| EC: 216-374-5 | Intermittent | 19 mg/L | Sediment (Fresh water) | 37,6 mg/kg |
| | Oral | 0,142 g/kg | Sediment (Marine water) | 3,76 mg/kg |
| C.I.Acid Yellow 220 | STP | 32 mg/L | Fresh water | 0 mg/L |
| CAS: Not relevant | Soil | 0 mg/kg | Marine water | 0 mg/L |
| EC: 941-792-6 | Intermittent | 0,003 mg/L | Sediment (Fresh water) | 0,002 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0 mg/kg |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|---|---|---|---|
| ε-caprolactam | STP | 1737 mg/L | Fresh water | 2 mg/L |
| CAS: 105-60-2 | Soil | 2,55 mg/kg | Marine water | 0,2 mg/L |
| EC: 203-313-2 | Intermittent | 1 mg/L | Sediment (Fresh water) | 18,7 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | Not relevant |

**8.2 Exposure controls:**

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

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional 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: A) | CE CAT III | 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 | NON-disposable chemical protective gloves | CE CAT III | EN ISO 374-1:2016+A1:2018<br>EN 16523-1:2015+A1:2018<br>EN ISO 21420:2020 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

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 | Face shield | CE CAT II | EN 166:2002<br>UNE-EN ISO 18526-1 al 4:2020<br>UNE-EN ISO 18526-1 al 4:2020<br>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 |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks | CE CAT III | EN 13034:2005+A1:2009<br>UNE-EN ISO 18526-1 al 4:2020<br>EN ISO 13982-1:2005/A1:2011<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN 464:1995 | For professional use only. Clean periodically according to the manufacturer´s instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk | CE CAT III | EN ISO 20345:2022<br>EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

It is advised to implement additional emergency equipments in workplaces that are particularly exposed to the product or in situations where risk assessments highlight the necessity of such equipments.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

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

**Environmental exposure controls:**

To comply with environmental protection regulations, it is recommended to prevent any spillage of the product and its container. For more detailed information, please refer to subsection 7.1.D.

**Volatile organic compounds:**

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

| | |
|---|---|
| V.O.C. (Supply): | 24 % weight |
| V.O.C. density at 20 ºC: | 292,63 kg/m³ (292,63 g/L) |
| Average carbon number: | 5 |
| Average molecular weight: | 104,2 g/mol |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Transparent |
| Colour: | Yellow |
| Odour: | Characteristic |
| Odour threshold: | Not relevant * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 133 - 270 ºC |
| Vapour pressure at 20 ºC: | 454 Pa |
| Vapour pressure at 50 ºC: | 2469,3 Pa (2,47 kPa) |
| Evaporation rate at 20 ºC: | Not relevant * |

**Product description:**

| | |
|---|---|
| Density at 20 ºC: | 1219,3 kg/m³ |
| Relative density at 20 ºC: | 1,219 |
| Dynamic viscosity at 20 ºC: | Not relevant * |
| Kinematic viscosity at 20 ºC: | Not relevant * |
| Kinematic viscosity at 40 ºC: | Not relevant * |
| Concentration: | Not relevant * |
| pH: | ≈6,5 - 7,5 (at 2 %) |
| Vapour density at 20 ºC: | Not relevant * |
| Partition coefficient n-octanol/water 20 ºC: | Not relevant * |
| Solubility in water at 20 ºC: | Not relevant * |
| Solubility properties: | Not relevant * |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |

**Flammability:**

*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)

| | |
|---|---|
| Flash Point: | >61 ºC |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 204 ºC |
| Lower flammability limit: | Not relevant * |
| Upper flammability limit: | Not relevant * |
| **Particle characteristics:** | |
| Median equivalent diameter: | Not relevant * |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |
| **Other safety characteristics:** | |
| Surface tension at 20 ºC: | Not relevant * |
| Refraction index: | Not relevant * |

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

## 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 from Safety Data Sheet.

**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 ($CO_2$), 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

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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: 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.

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 contains substances classified as hazardous for inhalation. For more information see section 3.

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

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- 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: ε-caprolactam (3); Sodium hydrogen [2,4-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-5-methyl-2-phenyl-3H-pyrazol-3-onato(2-)][3-hydroxy-4-[(2-hydroxy-1-naphthyl)azo]-7-nitronaphthalene-1-sulphonato(3-)]chromate(2-) (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not 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:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

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

- Specific target organ toxicity (STOT)-repeated exposure: Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

H- Aspiration hazard:

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

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| 1-ethoxypropan-2-ol<br>CAS: 1569-02-4<br>EC: 216-374-5 | LD50 oral | 4400 mg/kg | Rat |
| | LD50 dermal | 8100 mg/kg | Rabbit |
| | LC50 inhalation vapour | 44,45 mg/L | Rat |
| C.I.Acid Yellow 220<br>CAS: Not relevant<br>EC: 941-792-6 | LD50 oral | 3934 mg/kg | Rat |
| | LD50 dermal | | |
| | LC50 inhalation | | |
| | LC50 inhalation dust | | |

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| ε-caprolactam | LD50 oral | 1475 mg/kg | Rat |
| CAS: 105-60-2<br>EC: 203-313-2 | LD50 dermal | | |
| | LC50 inhalation dust | 1,5 mg/L | |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

## SECTION 12: ECOLOGICAL INFORMATION

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

Toxic to aquatic life with long lasting effects.

**12.1 Toxicity:**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | LC50 | 1300 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 112-34-5 | EC50 | 2850 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-961-6 | EC50 | 53 mg/L (192 h) | Microcystis aeruginosa | Algae |
| 1-ethoxypropan-2-ol | LC50 | 4600 mg/L (96 h) | Leuciscus idus | Fish |
| CAS: 1569-02-4 | EC50 | 21100 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 216-374-5 | EC50 | Not relevant | | |
| C.I.Acid Yellow 220 | LC50 | 0,52 mg/L (96 h) | Danio rerio | Fish |
| CAS: Not relevant | EC50 | 30,5 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 941-792-6 | EC50 | Not relevant | | |
| ε-caprolactam | LC50 | 1400 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 105-60-2 | EC50 | 500 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-313-2 | EC50 | 130 mg/L (72 h) | Scenedesmus subspicatus | Algae |

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| ε-caprolactam | NOEC | Not relevant | | |
| CAS: 105-60-2 EC: 203-313-2 | NOEC | 100 mg/L | Daphnia magna | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | BOD5 | 0,25 g O2/g | Concentration | 100 mg/L |
| CAS: 112-34-5 | COD | 2,08 g O2/g | Period | 28 days |
| EC: 203-961-6 | BOD5/COD | 0,12 | % Biodegradable | 92 % |
| 1-ethoxypropan-2-ol | BOD5 | 2,15 g O2/g | Concentration | 100 mg/L |
| CAS: 1569-02-4 | COD | Not relevant | Period | 28 days |
| EC: 216-374-5 | BOD5/COD | Not relevant | % Biodegradable | 78 % |
| C.I.Acid Yellow 220 | BOD5 | Not relevant | Concentration | 150 mg/L |
| CAS: Not relevant | COD | Not relevant | Period | 28 days |
| EC: 941-792-6 | BOD5/COD | Not relevant | % Biodegradable | 0,3 % |
| ε-caprolactam | BOD5 | Not relevant | Concentration | 100 mg/L |
| CAS: 105-60-2 | COD | Not relevant | Period | 14 days |
| EC: 203-313-2 | BOD5/COD | Not relevant | % Biodegradable | 82 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Bioaccumulation potential | |
|---|---|---|
| 2-(2-butoxyethoxy)ethanol | BCF | 0.46 |
| CAS: 112-34-5 | Pow Log | 0.56 |
| EC: 203-961-6 | Potential | Low |
| 1-ethoxypropan-2-ol | BCF | 1 |
| CAS: 1569-02-4 | Pow Log | 1 |
| EC: 216-374-5 | Potential | Low |
| C.I.Acid Yellow 220 | BCF | 2143 |
| CAS: Not relevant | Pow Log | 1.5 |
| EC: 941-792-6 | Potential | Very High |
| ε-caprolactam | BCF | 3 |
| CAS: 105-60-2 | Pow Log | 0.22 |
| EC: 203-313-2 | Potential | Low |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | Koc | 48 | Henry | 7,2E-9 Pa·m³/mol |
| CAS: 112-34-5 | Conclusion | Very High | Dry soil | Not relevant |
| EC: 203-961-6 | Surface tension | 3,395E-2 N/m (25 ºC) | Moist soil | Not relevant |
| C.I.Acid Yellow 220 | Koc | 31.6 | Henry | Not relevant |
| CAS: Not relevant | Conclusion | Moderate | Dry soil | Not relevant |
| EC: 941-792-6 | Surface tension | Not relevant | Moist soil | Not relevant |
| ε-caprolactam | Koc | Not relevant | Henry | Not relevant |
| CAS: 105-60-2 | Conclusion | Not relevant | Dry soil | Not relevant |
| EC: 203-313-2 | Surface tension | 1,769E-2 N/m (301,03 ºC) | Moist soil | Not relevant |

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

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not 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) |
|---|---|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous |

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

HP14 Ecotoxic, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, 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-hazardous 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

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## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:

| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN3082 |
| **14.2** | **UN proper shipping name:** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C.I.Acid Yellow 220) |
| **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:** | Not relevant |

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:

| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN3082 |
| **14.2** | **UN proper shipping name:** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C.I.Acid Yellow 220) |
| **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: | Not relevant |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2025:

| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN3082 |
| **14.2** | **UN proper shipping name:** | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (C.I.Acid Yellow 220) |
| **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:** | Not relevant |

## SECTION 15: REGULATORY INFORMATION **

*** Changes with regards to the previous version*

- CONTINUED ON NEXT PAGE -

## SECTION 15: REGULATORY INFORMATION ** (continued)

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EU) 2019/1021 on persistent organic pollutants: Not relevant
- Regulation (EU) No 2024/590, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**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.

*** Changes with regards to the previous version*

## 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.:**

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
· Precautionary statements
REGULATORY INFORMATION (SECTION 15):
· Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....)

**Texts of the legislative phrases mentioned in section 2:**

H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.
H317: May cause an allergic skin reaction.

**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:**

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## SECTION 16: OTHER INFORMATION (continued)

Acute Tox. 4: H302+H332 - Harmful if swallowed 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.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Irrit. 2: H315 - Causes skin irritation.
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:**

Eye Irrit. 2: Calculation method
STOT SE 3: Calculation method
STOT RE 2: Calculation method
Aquatic Chronic 2: Calculation method
Skin Sens. 1B: 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



- END OF SAFETY DATA SHEET -