

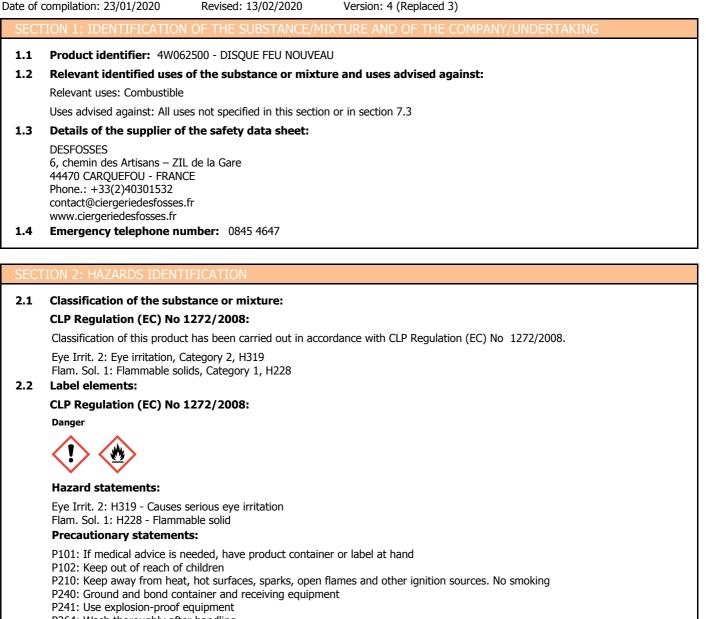


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P264: Wash thoroughly after handling

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

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313: If eye irritation persists: Get medical advice/attention

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish

23 Other hazards:

Product fails to meet PBT/vPvB criteria

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Alcohols

Components:

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

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| | Identification | | Chemical name/Classification | | Concentratio |
|--|---|--|--|-------------|--------------|
| | 64-17-5 | Ethanol□¹□ | | ATP CLP00 | |
| | 200-578-6 603-002-00-5 01-2119457610-43- XXXX | Regulation 1272/2008 | Flam. Liq. 2: H225 - Danger | ٨ | 50 - <75 % |
| CAS: | 78-93-3 Butanone□¹□ 201-159-0 606-002-00-3 : 01-2119457290-43- Regulation 1272/2008 XXXX XXXX | Butanone □ ¹ □ | | ATP CLP00 | |
| EC: Index: REACH: | | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger | (1) | 1,1 - <25 % | |
| | 67-63-0 | Propan-2-ol□¹□ | | ATP CLP00 | |
| EC: 200-661-7 Index: 603-117-00-0 REACH: 01-2119457558-25- XXXX | | Regulation 1272/2008 | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | (1) | 1,1 - <25 9 |

□¹□ Voluntarily-listed substance failing to meet any of the criteria set out in Regulation (EU) No. 2015/830

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

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:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

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:

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. IT IS NOT RECOMMENDED 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:

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SECTION 5: FIREFIGHTING MEASURES (continued)

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Sweep up and shovel product or collect by other means and place in container for reuse (preferred) or disposal

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

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

Due to its inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:5 °CMaximum Temp.:30 °CMaximum 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

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| SECTI | ON 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued) | | | |
|-------|---|--------------|--------------------|-----------------------|
| | | | | |
| | Identification | En | vironmental limits | |
| | Butanone | IOELV (8h) | 200 ppm | 600 mg/m ³ |
| | CAS: 78-93-3 EC: 201-159-0 | IOELV (STEL) | 300 ppm | 900 mg/m ³ |

Nuisance dust: Inhalable dust 10 mg/m3 // Respirable dust 4 mg/m3

DNEL (Workers):

| | | Short e | xposure | Long e | xposure |
|----------------|------------|----------------|------------------------|-----------------------|----------------|
| Identification | | Systemic | Local | Systemic | Local |
| Ethanol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 64-17-5 | Dermal | Non-applicable | Non-applicable | 343 mg/kg | Non-applicable |
| EC: 200-578-6 | Inhalation | Non-applicable | 1900 mg/m ³ | 950 mg/m ³ | Non-applicable |
| Butanone | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 78-93-3 | Dermal | Non-applicable | Non-applicable | 1161 mg/kg | Non-applicable |
| EC: 201-159-0 | Inhalation | Non-applicable | Non-applicable | 600 mg/m ³ | Non-applicable |
| Propan-2-ol | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| CAS: 67-63-0 | Dermal | Non-applicable | Non-applicable | 888 mg/kg | Non-applicable |
| EC: 200-661-7 | Inhalation | Non-applicable | Non-applicable | 500 mg/m ³ | Non-applicable |

DNEL (General population):

| | | Short exposure | | Long exposure | |
|----------------|------------|----------------|-----------------------|-----------------------|----------------|
| Identification | | Systemic | Local | Systemic | Local |
| Ethanol | Oral | Non-applicable | Non-applicable | 87 mg/kg | Non-applicable |
| CAS: 64-17-5 | Dermal | Non-applicable | Non-applicable | 206 mg/kg | Non-applicable |
| EC: 200-578-6 | Inhalation | Non-applicable | 950 mg/m ³ | 114 mg/m ³ | Non-applicable |
| Butanone | Oral | Non-applicable | Non-applicable | 31 mg/kg | Non-applicable |
| CAS: 78-93-3 | Dermal | Non-applicable | Non-applicable | 412 mg/kg | Non-applicable |
| EC: 201-159-0 | Inhalation | Non-applicable | Non-applicable | 106 mg/m ³ | Non-applicable |
| Propan-2-ol | Oral | Non-applicable | Non-applicable | 26 mg/kg | Non-applicable |
| CAS: 67-63-0 | Dermal | Non-applicable | Non-applicable | 319 mg/kg | Non-applicable |
| EC: 200-661-7 | Inhalation | Non-applicable | Non-applicable | 89 mg/m³ | Non-applicable |

PNEC:

| Identification | | | | |
|----------------|--------------|----------------|-------------------------|----------------|
| Ethanol | STP | 580 mg/L | Fresh water | 0,96 mg/L |
| CAS: 64-17-5 | Soil | Non-applicable | Marine water | 0,79 mg/L |
| EC: 200-578-6 | Intermittent | 2,75 mg/L | Sediment (Fresh water) | 3,6 mg/kg |
| | Oral | 720 g/kg | Sediment (Marine water) | Non-applicable |
| Butanone | STP | 709 mg/L | Fresh water | 55,8 mg/L |
| CAS: 78-93-3 | Soil | 22,5 mg/kg | Marine water | 55,8 mg/L |
| EC: 201-159-0 | Intermittent | 55,8 mg/L | Sediment (Fresh water) | 284,74 mg/kg |
| | Oral | 1000 g/kg | Sediment (Marine water) | 284,7 mg/kg |
| Propan-2-ol | STP | 2251 mg/L | Fresh water | 140,9 mg/L |
| CAS: 67-63-0 | Soil | 28 mg/kg | Marine water | 140,9 mg/L |
| EC: 200-661-7 | Intermittent | 140,9 mg/L | Sediment (Fresh water) | 552 mg/kg |
| | Oral | 0,16 g/kg | Sediment (Marine water) | 552 mg/kg |

8.2

2 Exposure controls:

A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. 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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|----------------|--|-----------|--------------|---|
| Mandatory hand | Protective gloves against minor risks | CATI | | 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 420:2003+ A1:2009 and EN ISO 374-1:2016 |

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

D.- Ocular and facial protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|------------------------------|--|-----------|---------------------------------|---|
| Mandatory face protection | Panoramic glasses against splash/projections. | CAT II | EN 166:2001 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 | Antistatic and fireproof protective clothing | | EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2001 EN ISO 14116:2015 EN 1149-5:2018 | Limited protection against flames. |
| Mandatory foot protection | Safety footwear with antistatic and heat resistant properties | | EN ISO 13287:2012 EN ISO 20345:2011 | Replace boots at any sign of deterioration. |

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): | 80 % weight |
|--------------------------|-------------------------|
| V.O.C. density at 20 °C: | 671,4 kg/m³ (671,4 g/L) |
| Average carbon number: | 2,19 |
| Average molecular weigh | t: 48,6 g/mol |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES







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| SEC | TION 9: PHYSICAL AND CHEMICAL PROPERTIES | (continued) |
| | Appearance: | Gel |
| | Colour: | Yellow |
| | Odour: | Alcohol |
| | 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: | Non-applicable * |
| | Concentration: | Non-applicable * |
| | pH: | Non-applicable * |
| | 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 * |
| | Explosive properties: | Non-applicable * |
| | Oxidising properties: | Non-applicable * |
| | Flammability: | |
| | Flash Point: | <21 °C |
| | Flammability (solid, gas): | H228 Flammable solid |
| | Autoignition temperature: | Non-applicable * |
| | Lower flammability limit: | Not available |
| | Upper flammability limit: | Not available |
| | Explosive: | |
| | Lower explosive limit: | Non-applicable * |
| | Upper explosive limit: | Non-applicable * |
| 9.2 | Other information: | New you'leader w |
| | 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.

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 conditions of storage, handling and use.

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SECTION 10: STABILITY AND REACTIVITY (CONTINU

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 toxicological effects:

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, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. 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, as it does not contain substances classified as dangerous 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 dangerous for the effects mentioned. For more information see section 3.

- IARC: Propan-2-ol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous 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 dangerous 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 dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- F- Specific target organ toxicity (STOT) single exposure:

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

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

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- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: 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.
- H- Aspiration hazard:

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

Other information:

Non-applicable

Specific toxicology information on the substances:

| Identification | Ad | Genus | |
|----------------|-----------------|------------------|--------|
| Ethanol | LD50 oral | 6200 mg/kg | Rat |
| CAS: 64-17-5 | LD50 dermal | 20000 mg/kg | Rabbit |
| EC: 200-578-6 | LC50 inhalation | 124,7 mg/L (4 h) | Rat |
| Butanone | LD50 oral | 4000 mg/kg | Rat |
| CAS: 78-93-3 | LD50 dermal | 6400 mg/kg | Rabbit |
| EC: 201-159-0 | LC50 inhalation | 23,5 mg/L (4 h) | Rat |
| Propan-2-ol | LD50 oral | 5280 mg/kg | Rat |
| CAS: 67-63-0 | LD50 dermal | 12800 mg/kg | Rat |
| EC: 200-661-7 | LC50 inhalation | 72,6 mg/L (4 h) | Rat |

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

| Identification | | Acute toxicity | Species | Genus | |
|----------------|------|-------------------|-------------------------|------------|--|
| Ethanol | LC50 | 11000 mg/L (96 h) | Alburnus alburnus | Fish | |
| CAS: 64-17-5 | | 9268 mg/L (48 h) | Daphnia magna | Crustacean | |
| EC: 200-578-6 | EC50 | 1450 mg/L (192 h) | Microcystis aeruginosa | Algae | |
| Butanone | LC50 | 3220 mg/L (96 h) | Pimephales promelas | Fish | |
| CAS: 78-93-3 | EC50 | 5091 mg/L (48 h) | Daphnia magna | Crustacean | |
| EC: 201-159-0 | EC50 | 4300 mg/L (168 h) | Scenedesmus quadricauda | Algae | |
| Propan-2-ol | LC50 | 9640 mg/L (96 h) | Pimephales promelas | Fish | |
| CAS: 67-63-0 | EC50 | 13299 mg/L (48 h) | Daphnia magna | Crustacean | |
| EC: 200-661-7 | EC50 | 1000 mg/L (72 h) | Scenedesmus subspicatus | Algae | |

12.2 Persistence and degradability:

| De | gradability | Biodegradability | |
|----------|---|---|---|
| BOD5 | Non-applicable | Concentration | 100 mg/L |
| COD | Non-applicable | Period | 14 days |
| BOD5/COD | 0.57 | % Biodegradable | 89 % |
| BOD5 | 2.03 g O2/g | Concentration | Non-applicable |
| COD | 2.31 g O2/g | Period | 20 days |
| BOD5/COD | 0.88 | % Biodegradable | 89 % |
| BOD5 | 1.19 g O2/g | Concentration | 100 mg/L |
| COD | 2.23 g O2/g | Period | 14 days |
| BOD5/COD | 0.53 | % Biodegradable | 86 % |
| | BOD5 COD BOD5/COD BOD5 COD BOD5/COD BOD5/COD BOD5 COD | COD Non-applicable BOD5/COD 0.57 BOD5 2.03 g O2/g COD 2.31 g O2/g BOD5/COD 0.88 BOD5/COD 0.23 g O2/g COD 2.31 g O2/g BOD5/COD 0.23 g O2/g | BOD5 Non-applicable Concentration COD Non-applicable Period BOD5/COD 0.57 % Biodegradable BOD5 2.03 g O2/g Concentration COD 2.31 g O2/g Period BOD5/COD 0.88 % Biodegradable BOD5/COD 1.19 g O2/g Concentration COD 2.23 g O2/g Period |

12.3 Bioaccumulative potential:

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | | Bioaccumulation potential | |
|----------------|--|---------------------------|-------|
| Ethanol | | BCF | 3 |
| CAS: 64-17-5 | | Pow Log | -0.31 |
| EC: 200-578-6 | | Potential | Low |
| Butanone | | BCF | 3 |
| CAS: 78-93-3 | | Pow Log | 0.29 |
| EC: 201-159-0 | | Potential | Low |
| Propan-2-ol | | BCF | 3 |
| CAS: 67-63-0 | | Pow Log | 0.05 |
| EC: 200-661-7 | | Potential | Low |

12.4 Mobility in soil:

| Identification | Absorp | tion/desorption | Volatility | |
|----------------|-----------------|----------------------|------------|--------------------------------|
| Ethanol | Кос | 1 | Henry | 4,61E-1 Pa·m ³ /mol |
| CAS: 64-17-5 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-578-6 | Surface tension | 2,339E-2 N/m (25 °C) | Moist soil | Yes |
| Butanone | Кос | 30 | Henry | 5,77 Pa·m³/mol |
| CAS: 78-93-3 | Conclusion | Very High | Dry soil | Yes |
| EC: 201-159-0 | Surface tension | 2,396E-2 N/m (25 °C) | Moist soil | Yes |
| Propan-2-ol | Кос | 1.5 | Henry | 8,207E-1 Pa·m³/mol |
| CAS: 67-63-0 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-661-7 | Surface tension | 2,24E-2 N/m (25 ℃) | Moist soil | Yes |

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|------|---|---|
| | It is not possible to assign a specific code, as it depends on the intended use by the user | Dangerous |

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

HP3 Flammable

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. We do not recommended disposal down the drain. 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 **

Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:

** Changes with regards to the previous version

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| SECTION 14: TRANSPO | RT 1 | INFORMATION ** (continued |) |
| 1 | 4.1 | UN number: | UN3175 |
| | | UN proper shipping name: | SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C |
| 1 | .4.3 | Transport hazard class(es): Labels: | 4.1 4.1 |
| 1 | 4 4 | Packing group: | H.I. |
| | | Environmental hazards: | No |
| | | Special precautions for user | |
| | | Special regulations: | 216, 274, 601 |
| | | Tunnel restriction code: | E |
| | | Physico-Chemical properties: | see section 9 |
| | | Limited quantities: | 1 kg |
| 1 | .4.7 | Transport in bulk according to Annex II of Marpol and the IBC Code: | Non-applicable |
| Transport of dan | gero | | |
| With regard to IMD | - | | |
| 5 | | UN number: | UN3175 |
| | | UN proper shipping name: | SOLIDS or mixtures of solids (such as preparations and wastes) |
| | | | CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to 60 °C |
| | 4.3 | Transport hazard class(es): | 4.1 |
| | | Labels: | 4.1 |
| | | Packing group: | II |
| | _ | Environmental hazards: | No |
| 1 | .4.6 | Special precautions for user | 216 274 |
| | | Special regulations: EmS Codes: | 216, 274 F-A, S-I |
| | | Physico-Chemical properties: | see section 9 |
| | | Limited quantities: | 1 kg |
| | | Segregation group: | Non-applicable |
| 1 | .4.7 | Transport in bulk according to Annex II of Marpol and the IBC Code: | Non-applicable |
| Transport of dan | - | | |
| With regard to IATA | A/ICA | NO 2019: | |
| 1 | 4.1 | UN number: | UN3175 |
| | 4.2 | UN proper shipping name: | SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S. having a flash-point up to $60 \ ^{\circ}C$ |
| | .4.3 | Transport hazard class(es): | 4.1 |
| ♥ | | Labels: | 4.1 |
| | | Packing group: | II |
| | | Environmental hazards: | No |
| 1 | .4.6 | Special precautions for user | con portion 0 |
| - | 47 | Physico-Chemical properties: Transport in bulk according | see section 9 Non-applicable |
| | | to Annex II of Marpol and the IBC Code: | |
| | | | |

** Changes with regards to the previous version

SECTION 15: REGULATORY INFORMATION

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

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SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Ethanol. 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

Article 95, REGULATION (EU) No 528/2012: Ethanol (Product-type 1, 2, 4, 6); Propan-2-ol (Product-type 1, 2, 4)

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

Seveso III:

Non-applicable

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

Non-applicable

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:

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 (Regulation (EC) No 2015/830)

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

TRANSPORT INFORMATION (SECTION 14):

· UN number

Texts of the legislative phrases mentioned in section 2:

H228: Flammable solid

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:

Eye Irrit. 2: H319 - Causes serious eye irritation Flam. Liq. 2: H225 - Highly flammable liquid and vapour STOT SE 3: H336 - May cause drowsiness or dizziness

Classification procedure:

Eye Irrit. 2: Calculation method

Advice related to training:

Minimal 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:

- CONTINUED ON NEXT PAGE -





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SECTION 16: OTHER INFORMATION (continued

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: 5-day biochemical oxygen demand BCF: Bioconcentration factor LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50 Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

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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 -