

SPARK 07 UHS 2:1

Printing: 22/12/2022

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Revised: 08/02/2022

Version: 5 (Replaced 4)

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

- 1.1 Product identifier:** SPARK 07 UHS 2:1
Other means of identification:
UFI: RCMN-40UV-S00H-XWP1
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Car repair; paints and varnishes. For professional users 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:**
Troton Sp. z o.o.
Ząbrowo 14A
78-120 Gościno - Zachodniopomorskie - Polska
Phone: +48 94 35 123 94 - Fax: +48 94 35 126 22
troton@troton.com.pl
www.troton.pl / www.troton.eu
- 1.4 Emergency telephone number:** (8am-4pm)+48 094 35 123 94; 112

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 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Carc. 2: Carcinogenicity, Category 2, H351
Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 3: Flammable liquids, Category 3, H226
Skin Irrit. 2: Skin irritation, Category 2, H315
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317
STOT RE 2: Specific target organ toxicity — Repeated exposure, Hazard Category 2 (Oral), H373
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning
- 
- Hazard statements:**
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Carc. 2: H351 - Suspected of causing cancer.
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. 1A: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).
- Precautionary statements:**
P201: Obtain special instructions before use.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory 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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
- Supplementary information:**
EUH208: Contains Hydroxyphenyl benzotriazol derivative, isobutyl methacrylate. May produce an allergic reaction.

Safety data sheet

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SECTION 2: HAZARDS IDENTIFICATION (continued)
Substances that contribute to the classification

Xylene; 4-methylpentan-2-one; Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

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 composed of chemical products

Components:

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

| Identification | Chemical name/Classification | Concentration |
|---|--|---------------|
| CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX | N-butyl acetate⁽¹⁾ ATP CLP00 | 10 - <25 % |
| | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning  | |
| CAS: 1330-20-7 EC: 215-535-7 Index: 601-022-00-9 REACH: 01-2119488216-32-XXXX | Xylene⁽¹⁾ Self-classified | 10 - <25 % |
| | Regulation 1272/2008 Acute Tox. 4: H312+H332; Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger  | |
| CAS: 110-43-0 EC: 203-767-1 Index: 606-024-00-3 REACH: 01-2119902391-49-XXXX | heptan-2-one⁽¹⁾ ATP CLP00 | 5 - <10 % |
| | Regulation 1272/2008 Acute Tox. 4: H302+H332; Flam. Liq. 3: H226 - Warning  | |
| CAS: 108-65-6 EC: 203-603-9 Index: 607-195-00-7 REACH: 01-2119475791-29-XXXX | 2-methoxy-1-methylethyl acetate⁽²⁾ ATP ATP01 | 5 - <10 % |
| | Regulation 1272/2008 Flam. Liq. 3: H226 - Warning  | |
| CAS: 108-10-1 EC: 203-550-1 Index: 606-004-00-4 REACH: 01-2119473980-30-XXXX | 4-methylpentan-2-one⁽¹⁾ ATP ATP17 | 2,5 - <5 % |
| | Regulation 1272/2008 Acute Tox. 4: H332; Carc. 2: H351; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger  | |
| CAS: 75-65-0 EC: 200-889-7 Index: 603-005-00-1 REACH: 01-2119444321-51-XXXX | 2-methylpropan-2-ol⁽¹⁾ ATP ATP01 | 1 - <2,5 % |
| | Regulation 1272/2008 Acute Tox. 4: H332; Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H335 - Danger  | |
| CAS: 67-64-1 EC: 200-662-2 Index: 606-001-00-8 REACH: 01-2119471330-49-XXXX | acetone⁽¹⁾ ATP CLP00 | 1 - <2,5 % |
| | Regulation 1272/2008 Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger  | |
| CAS: Non-applicable EC: 400-830-7 Index: 607-176-00-3 REACH: 01-0000015075-76-XXXX | Hydroxyphenyl benzotriazol derivative⁽¹⁾ ATP CLP00 | <1 % |
| | Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning  | |
| CAS: 1065336-91-5 EC: 915-687-0 Index: Non-applicable REACH: 01-2119491304-40-XXXX | Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate⁽¹⁾ Self-classified | <1 % |
| | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361f; Skin Sens. 1A: H317 - Warning  | |
| CAS: 97-86-9 EC: 202-613-0 Index: 607-113-00-X REACH: 01-2119488331-38-XXXX | isobutyl methacrylate⁽¹⁾ ATP ATP13 | <1 % |
| | Regulation 1272/2008 Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H335 - Warning  | |

⁽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

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Safety data sheet

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

| Identification | Chemical name/Classification | | Concentration |
|---|--|--|---------------|
| CAS: 100-41-4 EC: 202-849-4 Index: 601-023-00-4 REACH: 01-2119489370-35-XXXX | Ethylbenzene⁽²⁾ ATP ATP06 | | <1 % |
| | Regulation 1272/2008 | Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger | |
| CAS: 108-88-3 EC: 203-625-9 Index: 601-021-00-3 REACH: 01-2119471310-51-XXXX | Toluene⁽²⁾ Self-classified | | <1 % |
| | Regulation 1272/2008 | Aquatic Chronic 3: H412; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger | |

⁽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.

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:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

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.

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SECTION 5: FIREFIGHTING MEASURES (continued)

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:

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. 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

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). 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.: 15 °C

Maximum Temp.: 25 °C

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SECTION 7: HANDLING AND STORAGE (continued)

Maximum time: 12 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 | | |
|--|------------------------------|------------------------|-----------------------|
| | IOELV (8h) | IOELV (STEL) | IOELV (STEL) |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | 50 ppm | 241 mg/m ³ | 723 mg/m ³ |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | 50 ppm | 221 mg/m ³ | 442 mg/m ³ |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | 50 ppm | 238 mg/m ³ | 475 mg/m ³ |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | 50 ppm | 275 mg/m ³ | 550 mg/m ³ |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | 20 ppm | 83 mg/m ³ | 208 mg/m ³ |
| acetone CAS: 67-64-1 EC: 200-662-2 | 500 ppm | 1210 mg/m ³ | |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | 100 ppm | 442 mg/m ³ | 884 mg/m ³ |
| Toluene CAS: 108-88-3 EC: 203-625-9 | 50 ppm | 192 mg/m ³ | 384 mg/m ³ |

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|-----------------------|--------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| 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 |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 212 mg/kg | Non-applicable |
| | Inhalation | 442 mg/m ³ | 442 mg/m ³ | 221 mg/m ³ | 221 mg/m ³ |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 54,27 mg/kg | Non-applicable |
| | Inhalation | 1516 mg/m ³ | Non-applicable | 394,25 mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 796 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 550 mg/m ³ | 275 mg/m ³ | Non-applicable |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 11,8 mg/kg | Non-applicable |
| | Inhalation | 208 mg/m ³ | 208 mg/m ³ | 83 mg/m ³ | 83 mg/m ³ |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 5,5 mg/kg | Non-applicable |
| | Inhalation | 214 mg/m ³ | Non-applicable | 2,7 mg/m ³ | Non-applicable |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|------------------------|-------------------------|-----------------------|
| | | Systemic | Local | Systemic | Local |
| acetone CAS: 67-64-1 EC: 200-662-2 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 186 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 2420 mg/m ³ | 1210 mg/m ³ | Non-applicable |
| Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,35 mg/m ³ | Non-applicable |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,68 mg/m ³ | Non-applicable |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 5 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 415,9 mg/m ³ | 409 mg/m ³ |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 180 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | 293 mg/m ³ | 77 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 |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|--|------------|-------------------------|-------------------------|-------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| 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 |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Oral | Non-applicable | Non-applicable | 12,5 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 125 mg/kg | Non-applicable |
| | Inhalation | 260 mg/m ³ | 260 mg/m ³ | 65,3 mg/m ³ | 65,3 mg/m ³ |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | Oral | Non-applicable | Non-applicable | 23,32 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 23,32 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 84,31 mg/m ³ | Non-applicable |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | Oral | Non-applicable | Non-applicable | 36 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 320 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 33 mg/m ³ | 33 mg/m ³ |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | Oral | Non-applicable | Non-applicable | 4,2 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 4,2 mg/kg | Non-applicable |
| | Inhalation | 155,2 mg/m ³ | 155,2 mg/m ³ | 14,7 mg/m ³ | 14,7 mg/m ³ |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | Oral | Non-applicable | Non-applicable | 0,3 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 2,7 mg/kg | Non-applicable |
| | Inhalation | 159,8 mg/m ³ | Non-applicable | 0,5 mg/m ³ | Non-applicable |
| acetone CAS: 67-64-1 EC: 200-662-2 | Oral | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 62 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 200 mg/m ³ | Non-applicable |
| Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7 | Oral | Non-applicable | Non-applicable | 0,025 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,085 mg/m ³ | Non-applicable |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | Oral | Non-applicable | Non-applicable | 0,05 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 0,25 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 0,17 mg/m ³ | Non-applicable |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|--|------------|-----------------------|-----------------------|------------------------|-------------------------|
| | | Systemic | Local | Systemic | Local |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | Oral | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | 3 mg/kg | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 66,5 mg/m ³ | 366,4 mg/m ³ |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Oral | Non-applicable | Non-applicable | 1,6 mg/kg | Non-applicable |
| | Dermal | Non-applicable | Non-applicable | Non-applicable | Non-applicable |
| | Inhalation | Non-applicable | Non-applicable | 15 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 |

PNEC:

| Identification | | | | |
|--|--------------|----------------|-------------------------|-------------|
| 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 |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | STP | 6,58 mg/L | Fresh water | 0,327 mg/L |
| | Soil | 2,31 mg/kg | Marine water | 0,327 mg/L |
| | Intermittent | 0,327 mg/L | Sediment (Fresh water) | 12,46 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 12,46 mg/kg |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | STP | 12,5 mg/L | Fresh water | 0,098 mg/L |
| | Soil | 0,321 mg/kg | Marine water | 0,01 mg/L |
| | Intermittent | 0,982 mg/L | Sediment (Fresh water) | 1,89 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,189 mg/kg |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | STP | 100 mg/L | Fresh water | 0,635 mg/L |
| | Soil | 0,29 mg/kg | Marine water | 0,064 mg/L |
| | Intermittent | 6,35 mg/L | Sediment (Fresh water) | 3,29 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,329 mg/kg |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | STP | 27,5 mg/L | Fresh water | 0,6 mg/L |
| | Soil | 1,3 mg/kg | Marine water | 0,06 mg/L |
| | Intermittent | 1,5 mg/L | Sediment (Fresh water) | 8,27 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,83 mg/kg |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | STP | 690 mg/L | Fresh water | 2 mg/L |
| | Soil | 1 mg/kg | Marine water | 0,2 mg/L |
| | Intermittent | 9,33 mg/L | Sediment (Fresh water) | 8,04 mg/kg |
| | Oral | 88700 g/kg | Sediment (Marine water) | 0,804 mg/kg |
| acetone CAS: 67-64-1 EC: 200-662-2 | STP | 100 mg/L | Fresh water | 10,6 mg/L |
| | Soil | 29,5 mg/kg | Marine water | 1,06 mg/L |
| | Intermittent | 21 mg/L | Sediment (Fresh water) | 30,4 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 3,04 mg/kg |
| Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7 | STP | 10 mg/L | Fresh water | 0,002 mg/L |
| | Soil | 2 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,028 mg/L | Sediment (Fresh water) | 3,37 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,337 mg/kg |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | STP | 1 mg/L | Fresh water | 0,002 mg/L |
| | Soil | 0,21 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,009 mg/L | Sediment (Fresh water) | 1,05 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,11 mg/kg |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



| Identification | | | | |
|--|--------------|----------------|-------------------------|-------------|
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | STP | 10 mg/L | Fresh water | 0,021 mg/L |
| | Soil | 1,16 mg/kg | Marine water | 0,002 mg/L |
| | Intermittent | 0,2 mg/L | Sediment (Fresh water) | 5,89 mg/kg |
| | Oral | Non-applicable | Sediment (Marine water) | 0,589 mg/kg |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | STP | 9,6 mg/L | Fresh water | 0,1 mg/L |
| | Soil | 2,68 mg/kg | Marine water | 0,01 mg/L |
| | Intermittent | 0,1 mg/L | Sediment (Fresh water) | 13,7 mg/kg |
| | Oral | 0,02 g/kg | Sediment (Marine water) | 1,37 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 |

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 |  | 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 | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) |  | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

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 |  | EN 166:2002 EN 167:2002 EN 168:2002 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 |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |

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| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|---|---|
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019 | 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): | 48,6 % weight |
| V.O.C. density at 20 °C: | 408 kg/m ³ (408 g/L) |
| Average carbon number: | 6,62 |
| Average molecular weight: | 112,56 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 °C: | Liquid |
| Appearance: | Fluid |
| Colour: | Colourless |
| Odour: | Characteristic |
| Odour threshold: | Non-applicable * |

Volatility:

| | |
|--|-------------------------|
| Boiling point at atmospheric pressure: | 112 °C |
| Vapour pressure at 20 °C: | 2290 Pa |
| Vapour pressure at 50 °C: | 11809,82 Pa (11,81 kPa) |
| Evaporation rate at 20 °C: | Non-applicable * |

Product description:

| | |
|--|----------------------------|
| Density at 20 °C: | 990 kg/m ³ |
| Relative density at 20 °C: | Non-applicable * |
| Dynamic viscosity at 20 °C: | 2579,97 cP |
| Kinematic viscosity at 20 °C: | 2724,52 mm ² /s |
| 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 * |

*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)

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: 34 °C
 Flammability (solid, gas): Non-applicable *
 Autoignition temperature: 315 °C
 Lower flammability limit: Not available
 Upper flammability limit: Not available

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.

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 | Risk of combustion | Avoid direct impact | 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:

Contains substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

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

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

- Carcinogenicity: Exposure to this product can cause cancer. For more specific information on the possible health effects see section 2.
IARC: 4-methylpentan-2-one (2B); Xylene (3); Ethylbenzene (2B); Toluene (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. 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:

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: 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. 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 |
|--|-----------------|-----------------|--------|
| | | | |
| 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 |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | LD50 oral | 3500 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | 11 mg/L (ATEI) | |

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|--|-----------------|-----------------|--------|
| | | | |
| acetone CAS: 67-64-1 EC: 200-662-2 | LD50 oral | 5800 mg/kg | Rat |
| | LD50 dermal | 7426 mg/kg | Rabbit |
| | LC50 inhalation | 76 mg/L (4 h) | Rat |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | LD50 oral | 1600 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | 11 mg/L (4 h) | Rat |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LD50 oral | 8532 mg/kg | Rat |
| | LD50 dermal | 5100 mg/kg | Rat |
| | LC50 inhalation | 30 mg/L (4 h) | Rat |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | 11 mg/L (4 h) | Rat |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LD50 oral | 2100 mg/kg | Rat |
| | LD50 dermal | 1100 mg/kg | Rat |
| | LC50 inhalation | 11 mg/L (ATEi) | |
| Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | LD50 oral | 3230 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | LD50 oral | 9600 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | LD50 oral | 3500 mg/kg | Rat |
| | LD50 dermal | 15354 mg/kg | Rabbit |
| | LC50 inhalation | 17,2 mg/L (4 h) | Rat |
| 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 |

Acute Toxicity Estimate (ATE mix):

| | ATE mix | Ingredient(s) of unknown toxicity |
|------------|---------------------------------------|-----------------------------------|
| Oral | 22857,14 mg/kg (Calculation method) | 0 % |
| Dermal | 7971,01 mg/kg (Calculation method) | 0 % |
| Inhalation | 44,86 mg/L (4 h) (Calculation method) | 0 % |

11.2 Information on other hazards:
Endocrine disrupting properties

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

Other information

Non-applicable

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 |
|---|---------------|-----------------|-------------------------|-------|
| | | | | |
| 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 |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Concentration | | Species | Genus |
|--|---------------|-----------------------|---------------------------|------------|
| Xylene CAS: 1330-20-7 EC: 215-535-7 | LC50 | >10 - 100 mg/L (96 h) | | Fish |
| | EC50 | >10 - 100 mg/L (48 h) | | Crustacean |
| | EC50 | >10 - 100 mg/L (72 h) | | Algae |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | LC50 | 131 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | Non-applicable | | |
| | EC50 | Non-applicable | | |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | LC50 | 161 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 481 mg/L (48 h) | Daphnia sp. | Crustacean |
| | EC50 | Non-applicable | | |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | LC50 | 900 mg/L (48 h) | Leuciscus idus | Fish |
| | EC50 | 862 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | 980 mg/L (48 h) | Scenedesmus subspicatus | Algae |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | LC50 | 961 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | Non-applicable | | |
| | EC50 | Non-applicable | | |
| acetone CAS: 67-64-1 EC: 200-662-2 | LC50 | 5540 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 8800 mg/L (48 h) | Daphnia pulex | Crustacean |
| | EC50 | 3400 mg/L (48 h) | Chlorella pyrenoidosa | Algae |
| Hydroxyphenyl benzotriazol derivative CAS: Non-applicable EC: 400-830-7 | LC50 | >1 - 10 mg/L (96 h) | | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | | Algae |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | LC50 | 0,9 mg/L (96 h) | Danio rerio | Fish |
| | EC50 | Non-applicable | | |
| | EC50 | 1,7 mg/L (72 h) | Desmodesmus subspicatus | Algae |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | LC50 | 20 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| | EC50 | 23 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 0,29 mg/L (96 h) | Selenastrum capricornutum | Algae |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | LC50 | 42,3 mg/L (96 h) | Pimephales promelas | Fish |
| | EC50 | 75 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 63 mg/L (3 h) | Chlorella vulgaris | Algae |
| Toluene CAS: 108-88-3 EC: 203-625-9 | LC50 | 13 mg/L (96 h) | Carassius auratus | Fish |
| | EC50 | 11,5 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | Non-applicable | | |

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 |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | NOEC | 1,3 mg/L | Oncorhynchus mykiss | Fish |
| | NOEC | 1,17 mg/L | Ceriodaphnia dubia | Crustacean |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | NOEC | 47,5 mg/L | Oryzias latipes | Fish |
| | NOEC | 100 mg/L | Daphnia magna | Crustacean |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | NOEC | Non-applicable | | |
| | NOEC | 78 mg/L | Daphnia magna | Crustacean |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | NOEC | 332 mg/L | Clarias Gariepinus | Fish |
| | NOEC | 100 mg/L | Daphnia magna | Crustacean |
| acetone CAS: 67-64-1 EC: 200-662-2 | NOEC | Non-applicable | | |
| | NOEC | 2212 mg/L | Daphnia magna | Crustacean |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | NOEC | Non-applicable | | |
| | NOEC | 1 mg/L | Daphnia magna | Crustacean |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | NOEC | Non-applicable | | |
| | NOEC | 0,96 mg/L | Ceriodaphnia dubia | Crustacean |

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SECTION 12: ECOLOGICAL INFORMATION (continued)
12.2 Persistence and degradability:
Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|--|---------------|----------------|------------------|----------------|
| | | | | |
| 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 % |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BOD5 | Non-applicable | Concentration | Non-applicable |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 88 % |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BOD5 | Non-applicable | Concentration | 785 mg/L |
| | COD | Non-applicable | Period | 8 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 100 % |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | BOD5 | 2,06 g O2/g | Concentration | 100 mg/L |
| | COD | 2,16 g O2/g | Period | 14 days |
| | BOD5/COD | 0,95 | % Biodegradable | 84 % |
| acetone CAS: 67-64-1 EC: 200-662-2 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 96 % |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | BOD5 | Non-applicable | Concentration | 20 mg/L |
| | COD | Non-applicable | Period | 28 days |
| | BOD5/COD | Non-applicable | % Biodegradable | 38 % |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BOD5 | Non-applicable | Concentration | 100 mg/L |
| | COD | Non-applicable | Period | 14 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 % |

12.3 Bioaccumulative potential:
Substance-specific information:

| Identification | Bioaccumulation potential | |
|---|---------------------------|-------|
| | | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BCF | 4 |
| | Pow Log | 1.78 |
| | Potential | Low |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | BCF | 9 |
| | Pow Log | 2.77 |
| | Potential | Low |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | BCF | 7 |
| | Pow Log | 1.98 |
| | Potential | Low |
| 2-methoxy-1-methylethyl acetate CAS: 108-65-6 EC: 203-603-9 | BCF | 1 |
| | Pow Log | 0.43 |
| | Potential | Low |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | BCF | 2 |
| | Pow Log | 1.31 |
| | Potential | Low |
| acetone CAS: 67-64-1 EC: 200-662-2 | BCF | 1 |
| | Pow Log | -0.24 |
| | Potential | Low |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | BCF | 26 |
| | Pow Log | 2.66 |
| | Potential | Low |

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SECTION 12: ECOLOGICAL INFORMATION (continued)

| Identification | Bioaccumulation potential | |
|--|---------------------------|----------|
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | BCF | 1 |
| | Pow Log | 3.15 |
| | Potential | Low |
| Toluene CAS: 108-88-3 EC: 203-625-9 | BCF | 90 |
| | Pow Log | 2.73 |
| | Potential | Moderate |

12.4 Mobility in soil:

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|----------------------|------------|-------------------------------|
| 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 |
| Xylene CAS: 1330-20-7 EC: 215-535-7 | Koc | 202 | Henry | 524,86 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | Non-applicable | Moist soil | Yes |
| heptan-2-one CAS: 110-43-0 EC: 203-767-1 | Koc | 280 | Henry | 17,12 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 2,612E-2 N/m (25 °C) | Moist soil | Yes |
| 4-methylpentan-2-one CAS: 108-10-1 EC: 203-550-1 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2,35E-2 N/m (25 °C) | Moist soil | Non-applicable |
| 2-methylpropan-2-ol CAS: 75-65-0 EC: 200-889-7 | Koc | Non-applicable | Henry | Non-applicable |
| | Conclusion | Non-applicable | Dry soil | Non-applicable |
| | Surface tension | 2,111E-2 N/m (25 °C) | Moist soil | Non-applicable |
| acetone CAS: 67-64-1 EC: 200-662-2 | Koc | 1 | Henry | 2,93 Pa·m ³ /mol |
| | Conclusion | Very High | Dry soil | Yes |
| | Surface tension | 2,304E-2 N/m (25 °C) | Moist soil | Yes |
| Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 1065336-91-5 EC: 915-687-0 | Koc | 204400 | Henry | 0E+0 Pa·m ³ /mol |
| | Conclusion | Immobile | Dry soil | No |
| | Surface tension | Non-applicable | Moist soil | No |
| isobutyl methacrylate CAS: 97-86-9 EC: 202-613-0 | Koc | 1480 | Henry | 52,69 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | Non-applicable | Moist soil | Yes |
| Ethylbenzene CAS: 100-41-4 EC: 202-849-4 | Koc | 520 | Henry | 798,44 Pa·m ³ /mol |
| | Conclusion | Moderate | Dry soil | Yes |
| | Surface tension | 2,859E-2 N/m (25 °C) | Moist soil | Yes |
| 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 |

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:

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|------------------------|---|--|
| 08 01 11* 15 01 10* | waste paint and varnish containing organic solvents or other hazardous substances packaging containing residues of or contaminated by hazardous substances | Dangerous |

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

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity, HP7 Carcinogenic, 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

Transport of dangerous goods by land:

With regard to ADR 2021 and RID 2021:



- 14.1 UN number or ID number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
Special regulations: 163, 367, 650
Tunnel restriction code: D/E
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:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**
Special regulations: 223, 955, 163, 367
EmS Codes: F-E, S-E
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:

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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN1263
- 14.2 UN proper shipping name:** PAINT
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 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:

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 2-phenoxyethanol.
 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: 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 |
|---------|-------------------|-------------------------|-------------------------|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

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

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.
 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.
 Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

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:

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SECTION 16: OTHER INFORMATION (continued)

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.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

H317: May cause an allergic skin reaction.

H351: Suspected of causing cancer.

H315: Causes skin irritation.

H373: May cause damage to organs through prolonged or repeated exposure (Oral).

H226: Flammable liquid and vapour.

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. 4: H302+H332 - Harmful if swallowed or if inhaled.

Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.

Acute Tox. 4: H332 - Harmful 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.

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

Carc. 2: H351 - Suspected of causing cancer.

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.

Repr. 2: H361d - Suspected of damaging the unborn child.

Repr. 2: H361f - Suspected of damaging fertility.

Skin Irrit. 2: H315 - Causes skin irritation.

Skin Sens. 1: H317 - May cause an allergic skin reaction.

Skin Sens. 1A: 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 (Oral).

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

Aquatic Chronic 3: Calculation method

Skin Sens. 1A: Calculation method

Carc. 2: Calculation method

Skin Irrit. 2: Calculation method

STOT RE 2: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

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:**

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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: 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

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 -