

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 06.09.2021

V- 3.0 (replaces version 2.0)

Revision: 01.09.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **SOLL RAPID HS Acrylfiller 4+1 (Grey)**

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

Identified uses: professional use.

Application of the substance / the mixture

Filler and surfacer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: UAB HELVINA
 Parko str. 96, Ramučiai
 LT-54464 Kaunas district, Lithuania
 Tel. +370 37 308901
 Fax. +370 37 308902
 info@helvina.lt; www.helvina.lt

Further information obtainable from:

info@helvina.lt

1.4 Emergency telephone number:

Poison control and information office: Tel.: +370 5 236 2052 or +370 687 53378

* SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

2.2 Label elements

Labelling according to

Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS07



GHS08

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| | |
|--|--|
| Signal word | Warning |
| Hazard-determining components of labelling: | xylene |
| Hazard statements | H226 Flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects. |
| Precautionary statements | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 Do not breathe mist/vapours/spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P314 Get medical advice/attention if you feel unwell. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Additional information: | Contains dibutyltin dilaurate. May produce an allergic reaction. Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |
| 2.3 Other hazards | |
| Results of PBT and vPvB assessment | |
| PBT: | Not applicable. |
| vPvB: | Not applicable. |

* SECTION 3: Composition/information on ingredients

3.2 Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

| | | |
|---------------------------|---|---------|
| List no.: 905-562-9 | Reaction mass of ethylbenzene and m-xylene and p-xylene | 2.5-10% |
| Reg.nr.: 01-2119555267-33 | ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 | |
| CAS: 1330-20-7 | xylene | 2.5-10% |
| EINECS: 215-535-7 | ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 | |
| Reg.nr.: 01-2119488216-32 | | |
| CAS: 108-65-6 | 2-methoxy-1-methylethyl acetate | 2.5-10% |
| EINECS: 203-603-9 | ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336 | |
| Reg.nr.: 01-2119475791-29 | | |
| CAS: 13463-67-7 | titanium dioxide | 2.5-10% |
| EINECS: 236-675-5 | ⚠ Carc. 2, H351 | |
| Reg.nr.: 01-2119489379-17 | | |
| CAS: 123-86-4 | n-butyl acetate | 1-7.5% |
| EINECS: 204-658-1 | ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336, EUH066 | |
| Reg.nr.: 01-2119485493-29 | | |

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| | | |
|---------------------------|--|----------|
| CAS: 7779-90-0 | trizinc bis(orthophosphate) | 1-<2.5% |
| EINECS: 231-944-3 | ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | |
| Reg.nr.: 01-2119485044-40 | | |
| CAS: 1314-13-2 | zinc oxide | 0.1-<1% |
| EINECS: 215-222-5 | ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | |
| Reg.nr.: 01-2119463881-32 | | |
| CAS: 77-58-7 | dibutyltin dilaurate | 01-<0.5% |
| EINECS: 201-039-8 | ⚠ Muta. 2, H341; Repr. 1B, H360FD; STOT SE 1, H370; STOT RE 1, H372; ⚠ Skin | |
| Reg.nr.: 01-2119496068-27 | Corr. 1C, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317 | |

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Avoid contact with the eyes and skin.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Do not flush with water or aqueous cleansing agents.
Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.
Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.

7.3 Specific end use(s)

No further relevant information available.

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*** SECTION 8: Exposure controls/personal protection**

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****Reaction mass of ethylbenzene and m-xylene and p-xylene**

WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm
 Long-term value: 220 mg/m³, 50 ppm
 Sk; BMGV

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm
 Long-term value: 221 mg/m³, 50 ppm
 Skin

1330-20-7 xylene

WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm
 Long-term value: 220 mg/m³, 50 ppm
 Sk; BMGV

IOELV (EU) Short-term value: 442 mg/m³, 100 ppm
 Long-term value: 221 mg/m³, 50 ppm
 Skin

108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain) Short-term value: 548 mg/m³, 100 ppm
 Long-term value: 274 mg/m³, 50 ppm
 Sk

IOELV (EU) Short-term value: 550 mg/m³, 100 ppm
 Long-term value: 275 mg/m³, 50 ppm
 Skin

13463-67-7 titanium dioxide

WEL (Great Britain) Long-term value: 10* 4** mg/m³
 *total inhalable **respirable

123-86-4 n-butyl acetate

WEL (Great Britain) Short-term value: 966 mg/m³, 200 ppm
 Long-term value: 724 mg/m³, 150 ppm

IOELV (EU) Short-term value: 723 mg/m³, 150 ppm
 Long-term value: 241 mg/m³, 50 ppm

77-58-7 dibutyltin dilaurate

WEL (Great Britain) Short-term value: 0.2 mg/m³
 Long-term value: 0.1 mg/m³
 as Sn; Sk

Regulatory information WEL (Great Britain): EH40/2020
 IOELV (EU): (EU) 2019/1831

DNELs**Reaction mass of ethylbenzene and m-xylene and p-xylene**

Dermal DNEL 212 mg/kg bw/day (long-term - systemic effects, workers)

Inhalative DNEL 442 mg/m³ (acute - systemic effects, workers)

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442 mg/m³ (acute - local effects, workers)
221 mg/m³ (long-term - systemic effects, workers)
221 mg/m³ (long-term - local effects, workers)

1330-20-7 xylene

Dermal DNEL 212 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 442 mg/m³ (acute - systemic effects, workers)
442 mg/m³ (acute - local effects, workers)
221 mg/m³ (long-term - systemic effects, workers)
221 mg/m³ (long-term - local effects, workers)

108-65-6 2-methoxy-1-methylethyl acetate

Dermal DNEL 153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 275 mg/m³ (long-term - systemic effects, workers)

13463-67-7 titanium dioxide

Inhalative DNEL 10 mg/m³ (long-term - local effects, workers)

123-86-4 n-butyl acetate

Dermal DNEL 7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 960 mg/m³ (acute - systemic effects, workers)
960 mg/m³ (acute - local effects, workers)
480 mg/m³ (long-term - systemic effects, workers)
480 mg/m³ (long-term - local effects, workers)

7779-90-0 trizinc bis(orthophosphate)

Dermal DNEL 83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 1 mg/m³ (long-term - systemic effects, workers)

1314-13-2 zinc oxide

Dermal DNEL 83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 5 mg/m³ (long-term - systemic effects, workers)

77-58-7 dibutyltin dilaurate

Dermal DNEL 2.08 mg/kg bw/day (acute - systemic effects, workers)
0.42 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative DNEL 0.02 mg/m³ (long-term - systemic effects, workers)

PNECs**Reaction mass of ethylbenzene and m-xylene and p-xylene**

PNEC 6.58 mg/l (sewage treatment plants)
PNEC 12.46 mg/kg (freshwater sediment environment)
12.46 mg/kg (marine sediment environment)
PNEC 327 µg/l (freshwater environment)
327 µg/l (marine environment)
327 µg/l (intermittent releases)

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1330-20-7 xylene

PNEC 0.327 mg/l (freshwater environment)

0.327 mg/l (marine environment)

PNEC 12.46 mg/kg (freshwater sediment environment)

12.46 mg/kg (marine sediment environment)

108-65-6 2-methoxy-1-methylethyl acetate

PNEC 0.635 mg/l (freshwater environment)

0.0635 mg/l (marine environment)

6.35 mg/l (intermittent releases)

100 mg/l (sewage treatment plants)

PNEC 3.29 mg/kg (freshwater sediment environment)

0.329 mg/kg (marine sediment environment)

13463-67-7 titanium dioxide

PNEC 0.184 mg/l (freshwater environment)

0.0184 mg/l (marine environment)

0.193 mg/l (intermittent releases)

100 mg/l (sewage treatment plants)

PNEC 1,000 mg/kg (freshwater sediment environment)

100 mg/kg (marine sediment environment)

100 mg/kg (soil)

123-86-4 n-butyl acetate

PNEC 0.18 mg/l (freshwater environment)

0.018 mg/l (marine environment)

0.36 mg/l (intermittent releases)

35.6 mg/l (sewage treatment plants)

PNEC 0.981 mg/kg (freshwater sediment environment)

7779-90-0 trizinc bis(orthophosphate)

PNEC 235.6 mg/kg (freshwater sediment environment)

113 mg/kg (marine sediment environment)

1314-13-2 zinc oxide

PNEC 0.0206 mg/l (freshwater environment)

0.0061 mg/l (marine environment)

0.1 mg/l (sewage treatment plants)

PNEC 117.8 mg/kg (freshwater sediment environment)

56.5 mg/kg (marine sediment environment)

35.6 mg/kg (soil)

77-58-7 dibutyltin dilaurate

PNEC 100 mg/l (sewage treatment plants)

PNEC 0.05 mg/kg (freshwater sediment environment)

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0.005 mg/kg (marine sediment environment)

0.0407 mg/kg (soil)

PNEC 0.463 µg/l (freshwater environment)

0.0463 µg/l (marine environment)

4.63 µg/l (intermittent releases)

Ingredients with biological limit values:**Reaction mass of ethylbenzene and m-xylene and p-xylene**

BMGV (Great Britain) 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

1330-20-7 xylene

BMGV (Great Britain) 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift

Parameter: methyl hippuric acid

Regulatory information BMGV (Great Britain): EH40/2011**Additional information:** The lists valid during the making were used as basis.**8.2 Exposure controls****Appropriate engineering controls**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A2/P2

Hand protection

Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of glovesRecommended thickness of the material: $\geq 0,7$ mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove materialValue for the permeation: Level 6 ≥ 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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Eye/face protection *Tightly sealed goggles*
Body protection: *Protective work clothing*

* SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

| | |
|---|--|
| Physical state | <i>Fluid</i> |
| Colour: | <i>Grey</i> |
| Odour: | <i>Characteristic</i> |
| Odour threshold: | <i>Not determined.</i> |
| Melting point/freezing point: | <i>Undetermined.</i> |
| Boiling point or initial boiling point and boiling range | <i>137 °C</i> |
| Flammability | <i>Not applicable.</i> |
| Lower and upper explosion limit | |
| Lower: | <i>1 Vol %</i> |
| Upper: | <i>10.8 Vol %</i> |
| Flash point: | <i>24 °C</i> |
| Auto-ignition temperature: | <i>Not determined.</i> |
| Decomposition temperature: | <i>Not determined.</i> |
| pH | <i>Not applicable.</i> |
| Viscosity: | |
| Kinematic viscosity | <i>Not determined.</i> |
| Dynamic at 20 °C: | <i>5,410 mPas</i> |
| Solubility | |
| water: | <i>Not miscible or difficult to mix.</i> |
| Partition coefficient n-octanol/water (log value) | <i>Not determined.</i> |
| Vapour pressure at 20 °C: | <i>8 hPa</i> |
| Density and/or relative density | |
| Density: | <i>1.44-1.48 g/cm³</i> |
| Vapour density | <i>Not determined.</i> |

9.2 Other information

| | |
|--|--|
| Appearance: | |
| Form: | <i>Highly viscous</i> |
| Important information on protection of health and environment, and on safety. | |
| Explosive properties: | <i>Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</i> |
| Change in condition | |
| Evaporation rate | <i>Not determined.</i> |

Information with regard to physical hazard classes

| | |
|--|-------------------------------------|
| Explosives | <i>Void</i> |
| Flammable gases | <i>Void</i> |
| Aerosols | <i>Void</i> |
| Oxidising gases | <i>Void</i> |
| Gases under pressure | <i>Void</i> |
| Flammable liquids | <i>Flammable liquid and vapour.</i> |
| Flammable solids | <i>Void</i> |
| Self-reactive substances and mixtures | <i>Void</i> |
| Pyrophoric liquids | <i>Void</i> |
| Pyrophoric solids | <i>Void</i> |

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| | |
|--|------|
| Self-heating substances and mixtures | Void |
| Substances and mixtures, which emit flammable gases in contact with water | Void |
| Oxidising liquids | Void |
| Oxidising solids | Void |
| Organic peroxides | Void |
| Corrosive to metals | Void |
| Desensitised explosives | Void |

SECTION 10: Stability and reactivity

| | |
|--|---|
| 10.1 Reactivity | No decomposition if used according to specifications. |
| 10.2 Chemical stability | No decomposition if used and stored according to specifications. |
| 10.3 Possibility of hazardous reactions | Reacts with alkali, amines and strong acids. Reacts with oxidising agents. Fumes can combine with air to form an explosive mixture. |
| 10.4 Conditions to avoid | Protect from heat and direct sunlight. |
| 10.5 Incompatible materials: | No further relevant information available. |
| 10.6 Hazardous decomposition products: | Carbon monoxide and carbon dioxide Formation of toxic gases is possible during heating or in case of fire. |

* SECTION 11: Toxicological information

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

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

LD/LC50 values relevant for classification:

Reaction mass of ethylbenzene and m-xylene and p-xylene

Dermal LD50 1,100 mg/kg (ATE)
 Inhalative ATE 1.5 ATE

1330-20-7 xylene

Dermal LD50 1,100 mg/kg (ATE)
 Inhalative ATE 1.5 mg/l (dust/ mist)

108-65-6 2-methoxy-1-methylethyl acetate

Oral LD50 >5,000 mg/kg (rat)
 Dermal LD50 >5,000 mg/kg (rabbit)
 Inhalative LC50/6 h 4,345 mg/l (rat)

13463-67-7 titanium dioxide

Oral LD50 >20,000 mg/kg (rat)
 Dermal LD50 >10,000 mg/kg (rabbit)
 Inhalative LC50/4 h >6.82 mg/l (rat)

123-86-4 n-butyl acetate

Oral LD50 10,760 mg/kg (rat)
 Dermal LD50 >14,000 mg/kg (rabbit)

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Inhalative LC50/4 h 23.4 mg/l (rat)

7779-90-0 trizinc bis(orthophosphate)

Oral LD50 >5,000 mg/kg (rat)

1314-13-2 zinc oxide

Oral LD50 >5,000 mg/kg (rat)

77-58-7 dibutyltin dilaurate

Oral LD50 2,071 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

Primary irritant effect:**Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.**Aspiration hazard** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:****Reaction mass of ethylbenzene and m-xylene and p-xylene**

LC50/72 h 2.6-8.4 mg/l (fish)

LC50/96h 3,300-4,093 µg/l (*Oncorhynchus mykiss*)**1330-20-7 xylene**LC50/96 h 2.6 mg/l (*Oncorhynchus mykiss*) (OECD 203)

EC50/3 h >157 mg/l (microorganisms)

EC50/48 h >3.4 mg/l (*Ceriodaphnia dubia*) (OECD 202)EC50/73h 2.2 mg/l (*Pseudokirchnerella subcapitata*) (OECD 201)**108-65-6 2-methoxy-1-methylethyl acetate**

LC50/96 h >100 mg/l (fish)

EC50/48 h >500 mg/l (*Daphnia magna*)

EC20/30 min >1,000 mg/l (microorganisms)

EC50/72 h >1,000 mg/l (*Pseudokirchnerella subcapitata*)EC50 >100 mg/l (*Pseudokirchnerella subcapitata*)>100 mg/l (*Pimephales promelas*)

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>100 mg/l (*Daphnia magna*)**13463-67-7 titanium dioxide**

LC50/96 h >1,000 mg/l (fish)

EC50/48 h >100 mg/l (*Daphnia magna*)EC50/72 h >50 mg/l (*Desmodesmus subspicatus*)

EC50/15 min >100 mg/l (microorganisms)

123-86-4 n-butyl acetateLC50/96 h 18 mg/l (*Pimephales promelas*)TT/16 h 115 mg/l (*Pseudomonas putida*)EC50/48 h 44 mg/l (*daphnia*)

EC50/72 h 675 mg/l (algae)

7779-90-0 trizinc bis(orthophosphate)

EC50/3 h 5.2 mg/l (microorganisms)

EC50/48 h >2.34 mg/l (*Daphnia magna*)**1314-13-2 zinc oxide**

LC50/96 h 4.92 mg/l (fish)

EC50/72 h 0.042 mg/l (*Pseudokirchnerella subcapitata*)

EC50/24 h 9.4 mg/l (microorganisms)

LC50/48 h 1.55 mg/l (*Daphnia magna*)**77-58-7 dibutyltin dilaurate**

LC50/96 h 3.1 mg/l (fish)

EC50/48 h 0.463 mg/l (*Daphnia magna*) (OECD 202)EC50/72 h >1 mg/l (*Desmodesmus subspicatus*) (OECD 201)EC50/48h 0.463 µg/l (*Daphnia magna*) (OECD 202)

12.2 Persistence and degradability

Reaction mass of ethylbenzene and m-xylene and p-xylene

Biodegradation 75 % (readily biodegradable)

1330-20-7 xylene

Biodegradation >60 % (readily biodegradable)

108-65-6 2-methoxy-1-methylethyl acetate

Biodegradation 100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)

123-86-4 n-butyl acetate

Biodegradation 83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

77-58-7 dibutyltin dilaurate

Biodegradation 23 % (not readily biodegradable)

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12.3 Bioaccumulative potential**1330-20-7 xylene**

BCF 25.9

log Kow <3.2

108-65-6 2-methoxy-1-methylethyl acetate

log Pow 0.56

123-86-4 n-butyl acetate

BCF 15.3 (-)

log Pow 2.3

77-58-7 dibutyltin dilaurate

BCF 2.91 (-)

12.4 Mobility in soil**108-65-6 2-methoxy-1-methylethyl acetate**

Koc 1.7

123-86-4 n-butyl acetate

log Koc 1.27

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:**

General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
 Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

*** SECTION 14: Transport information**

14.1 UN number or ID number

ADR, ADN, IMDG

Void

IATA

UN1263

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— EN —

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14.2 UN proper shipping name

ADR, ADN, IMDG

Void

IATA

PAINT

14.3 Transport hazard class(es)

ADR, ADN, IMDG

Class

Void

IATA

Class

3

Label

3

14.4 Packing group

ADR, IMDG

Void

IATA

III

14.5 Environmental hazards:

Not applicable.

Marine pollutant (IMDG):

No

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

Transport/Additional information:**ADR**

Remarks:

> 450 l: 3 F1, III

IMDG

Remarks:

> 450 l: 3, III

UN "Model Regulation":

Void

* **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU

Named dangerous substances - ANNEX I

None of the ingredients is listed.

Seveso category

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements

5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements

50,000 t

REGULATION (EC) No 1907/2006**ANNEX XVII**

Conditions of restriction: 3, 20

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Regulation (EU) No 649/2012

77-58-7 dibutyltin dilaurate: Annex I Part 1

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:**Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

| | | |
|-------------------------|--------|--|
| Relevant phrases | H226 | Flammable liquid and vapour. |
| | H304 | May be fatal if swallowed and enters airways. |
| | H312 | Harmful in contact with skin. |
| | H314 | Causes severe skin burns and eye damage. |
| | H315 | Causes skin irritation. |
| | H317 | May cause an allergic skin reaction. |
| | H318 | Causes serious eye damage. |
| | H319 | Causes serious eye irritation. |
| | H332 | Harmful if inhaled. |
| | H335 | May cause respiratory irritation. |
| | H336 | May cause drowsiness or dizziness. |
| | H341 | Suspected of causing genetic defects. |
| | H351 | Suspected of causing cancer. |
| | H360FD | May damage fertility. May damage the unborn child. |
| | H370 | Causes damage to organs. |
| | H372 | Causes damage to organs through prolonged or repeated exposure. |
| | H373 | May cause damage to organs through prolonged or repeated exposure. |
| | H400 | Very toxic to aquatic life. |
| | H410 | Very toxic to aquatic life with long lasting effects. |
| | H412 | Harmful to aquatic life with long lasting effects. |

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EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids

Bridging principles

Skin corrosion/irritation

Serious eye damage/eye irritation

Specific target organ toxicity (repeated exposure)

Hazardous to the aquatic environment - long-term (chronic)
aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Version number of previous**version:**

2.0

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1C: Skin corrosion/irritation – Category 1C
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
 Muta. 2: Germ cell mutagenicity. Hazard Category 2
 Carc. 2: Carcinogenicity. Hazard Category 2
 Repr. 1B: Reproductive toxicity. Hazard Category 1B
 STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

SourcesEuropean Chemicals Agency, <http://echa.europa.eu/>

*** Data compared to the previous
version altered.**