

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by
UK REACH Regulations SI 2019/758



MOBIHEL 3:1 HS FILLER W/W

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 29.09.2021 |
| 1.1 | 01.12.2022 | MAT000478435 | Date of first issue: 29.09.2021 |
| | | GB / EN | |

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

1.1 Product identifier

Trade name : MOBIHEL 3:1 HS FILLER W/W

Product code : 47843503

Unique Formula Identifier (UFI) : D59A-A1MT-W006-HUKX

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

Use of the Sub-stance/Mixture : Coatings and paints, thinners, paint removers

Recommended restrictions on use : Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company : Helios TBLUS d.o.o.
Količevo 65
1230 Domžale
Slovenia

Telephone Company : 386 (1) 722 4383

Telefax Company : 386 (1) 722 4310

Responsible/issuing person : 386 (1) 722 4383
productsafety@helios.si

1.4 Emergency telephone number

Call 999 (or 112) for emergency medical attention

professionals only: National Poison Information Service (NPIS) 24h national number 0844 892 0111

consumer: National Health Service (NHS) 24h national number, England & Scotland 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

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Flammable liquids, Category 3
Skin irritation, Category 2
Eye irritation, Category 2
Specific target organ toxicity - single exposure, Category 3, Central nervous system
Specific target organ toxicity - single exposure, Category 3, Respiratory system
Specific target organ toxicity - repeated exposure, Category 2
Long-term (chronic) aquatic hazard, Category 2

H226: Flammable liquid and vapour.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

H335: May cause respiratory irritation.

H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Hazard pictograms :



Signal word : Warning

Hazard statements :

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist or vapours.
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P391 Collect spillage.

Hazardous components which must be listed on the label:

reaction mixture of ethylbenzene, m-xylene and p-xylene

Hydrocarbons, C9 aromatics

n-butyl acetate

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified

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Additional Labelling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

EUH208 Contains dibutyltin dilaurate, Hydrocarbons, terpene processing by-products.

May produce an allergic reaction.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|---|--|--|--------------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | - 905-562-9 01-2119555267-33 | Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 | >= 10 - < 20 |
| Hydrocarbons, C9 aromatics | - 918-668-5 01-2119455851-35 | Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | >= 2,5 - < 10 |
| trizinc bis(orthophosphate) | 7779-90-0 231-944-3 030-011-00-6 01-2119485044-40 | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | >= 2,5 - < 10 |
| n-butyl acetate | 123-86-4 204-658-1 607-025-00-1 01-2119485493-29 | Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) | >= 1 - < 10 |

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| | | EUH066 | |
|--|---|--|---------------------|
| 2-methoxy-1-methylethyl acetate | 108-65-6 203-603-9 607-195-00-7 01-2119475791-29 | Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) | $\geq 1 - < 10$ |
| solvent naphtha (petroleum), light aromatic | 64742-95-6 265-199-0 649-356-00-4 01-2119455851-35 | Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | $\geq 2,5 - < 10$ |
| 2-butanone | 78-93-3 201-159-0 606-002-00-3 01-2119457290-43 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066 | $\geq 1 - < 10$ |
| pentane-2,4-dione | 123-54-6 204-634-0 606-029-00-0 01-2119458968-15 | Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311 | $\geq 1 - < 10$ |
| dibutyltin dilaurate | 77-58-7 201-039-8 050-030-00-3 | Eye Irrit. 2; H319 Skin Sens. 1; H317 Muta. 2; H341 Repr. 1B; H360FD STOT SE 1; H370 STOT RE 1; H372 (Immune system) Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | $\geq 0,1 - < 0,25$ |
| Hexanoic acid, 2-ethyl-, zinc salt, basic | 85203-81-2 286-272-3 01-2119979093-30 | Eye Irrit. 2; H319 Repr. 2; H361d Aquatic Chronic 3; H412 | $\geq 0,1 - < 0,25$ |
| hydrocarbons, terpene processing by-products | 68956-56-9 273-309-3 01-2119980606-28 | Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 | $\geq 0,1 - < 0,25$ |
| zinc oxide | 1314-13-2 215-222-5 030-013-00-7 | Aquatic Acute 1; H400 Aquatic Chronic 1; | $\geq 0,1 - < 0,25$ |

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|-----------------------|---|---|-------------|
| | 01-2119463881-32 | H410 | |
| 2-diethylaminoethanol | 100-37-8 202-845-2 603-048-00-6 01-2119488937-14 | Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 specific concentra- tion limit STOT SE 3; H335 ≥ 5 % | ≥ 0,1 - < 1 |

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
For safety reasons in case of fire, cans should be stored separately in closed containments.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Take precautionary measures against static discharges.
Provide sufficient air exchange and/or exhaust in work rooms.
Open drum carefully as content may be under pressure.
Dispose of rinse water in accordance with local and national regulations.
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke.
Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : For further information, refer to the product technical data sheet.

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Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Derived No Effect Level (DNEL):

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|---|-----------|-----------------|----------------------------|------------------|
| Calcium carbonate | Workers | Inhalation | Long-term local effects | 4,26 mg/m3 |
| | Consumers | Inhalation | Long-term local effects | 1,06 mg/m3 |
| titanium dioxide | Workers | Inhalation | Long-term local effects | 10 mg/m3 |
| | Consumers | Oral | Long-term systemic effects | 700 mg/kg bw/day |
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Workers | Inhalation | Long-term systemic effects | 77 mg/m3 |
| | Consumers | Inhalation | Long-term local effects | 65,3 mg/m3 |
| | Workers | Inhalation | Acute systemic effects | 442 mg/m3 |
| | Workers | Inhalation | Acute local effects | 289 mg/m3 |
| | Consumers | Inhalation | Acute systemic effects | 260 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 221 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 14,8 mg/m3 |
| | Consumers | Inhalation | Acute local effects | 260 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 108 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 16 mg/kg bw/day |
| | Workers | Dermal | Long-term systemic effects | 180 mg/kg bw/day |
| Hydrocarbons, C9 aromatics | Workers | Inhalation | Long-term systemic effects | 150 mg/m3 |
| | Workers | Oral | Long-term systemic effects | 150 mg/m3 |
| | Consumers | Inhalation | Long-term exposure | 32 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 25 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 11 mg/kg bw/day |
| trizinc | Workers | Inhalation | Long-term systemic | 5 mg/m3 |

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| bis(orthophosphate) | | | effects | |
|---|-----------|------------|----------------------------|-------------------|
| | Consumers | Inhalation | Long-term systemic effects | 2,5 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 83 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 83 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,83 mg/kg bw/day |
| n-butyl acetate | Workers | Inhalation | Acute systemic effects | 600 mg/m3 |
| | Workers | Inhalation | Acute local effects | 600 mg/m3 |
| | Workers | Inhalation | Long-term systemic effects | 48 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 300 mg/m3 |
| | Consumers | Inhalation | Acute systemic effects | 300 mg/m3 |
| | Consumers | Inhalation | Acute local effects | 300 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 12 mg/m3 |
| | Consumers | Inhalation | Long-term local effects | 35,7 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 3,4 mg/kg bw/day |
| | Consumers | Dermal | Acute systemic effects | 6 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 2 mg/kg bw/day |
| | Consumers | Oral | Acute systemic effects | 2 mg/kg bw/day |
| | Workers | Dermal | Long-term systemic effects | 7 mg/kg bw/day |
| | Workers | Dermal | Acute systemic effects | 11 mg/kg bw/day |
| 2-methoxy-1-methylethyl acetate | Workers | Inhalation | Long-term systemic effects | 275 mg/m3 |
| | Workers | Inhalation | Acute local effects | 550 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 33 mg/m3 |
| | Consumers | Inhalation | Long-term local effects | 33 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 796 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 320 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 36 mg/kg bw/day |
| Solvent naphtha (petroleum), light arom.; Low boiling point | Workers | Inhalation | Long-term systemic effects | 150 mg/m3 |

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| naphtha -unspecified | | | | |
| | Consumers | Inhalation | Long-term systemic effects | 32 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 11 mg/kg bw/day |
| | Workers | Dermal | Long-term systemic effects | 25 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 11 mg/kg bw/day |
| butanone | Consumers | Inhalation | Long-term systemic effects | 106 mg/m3 |
| | Workers | Inhalation | Long-term systemic effects | 600 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 1161 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 412 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 31 mg/kg bw/day |
| pentane-2,4-dione | Workers | Inhalation | Long-term systemic effects | 84 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 12 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 7 mg/kg bw/day |
| dibutyltin dilaurate | Workers | Inhalation | Long-term systemic effects | 0,02 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 0,0046 mg/m3 |
| | Consumers | Inhalation | Acute systemic effects | 0,04 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 0,43 mg/kg bw/day |
| | Workers | Dermal | Acute systemic effects | 2,08 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 0,16 mg/kg bw/day |
| | Consumers | Dermal | Acute systemic effects | 0,5 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,0031 mg/kg bw/day |
| | Consumers | Oral | Acute systemic effects | 0,02 mg/kg bw/day |
| Hexanoic acid, 2-ethyl-, zinc salt, basic | Workers | Dermal | Long-term systemic effects | 6,41 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 2,5 mg/m3 |
| | Workers | Inhalation | Long-term systemic effects | 5 mg/m3 |
| | Consumers | Dermal | Long-term systemic effects | 3,21 mg/kg bw/day |

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| | Consumers | Oral | Long-term systemic effects | 0,83 mg/kg bw/day |
| Hydrocarbons, terpene processing by-products | Workers | Inhalation | Long-term systemic effects | 2,9 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 0,7 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 0,8 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 0,3 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,3 mg/kg bw/day |
| zinc oxide | Workers | Inhalation | Long-term systemic effects | 5 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 0,5 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 2,5 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 83 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 83 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,83 mg/kg bw/day |
| 2-diethylaminoethanol | Workers | Inhalation | Long-term systemic effects | 18,3 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 10,7 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 2,5 mg/kg bw/day |

Predicted No Effect Concentration (PNEC):

| Substance name | Environmental Compartment | Value |
|---|---------------------------|-------------------------------|
| Calcium carbonate | Sewage treatment plant | 100 mg/l |
| titanium dioxide | Soil | 100 mg/kg dry weight (d.w.) |
| | Marine water | 0,0184 mg/l |
| | Fresh water | 0,184 mg/l |
| | Marine sediment | 100 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 1000 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 100 mg/l |
| | Intermittent use/release | 0,193 mg/l |
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Soil | 2,31 mg/kg dry weight (d.w.) |
| | Marine water | 0,327 mg/l |
| | Fresh water | 0,327 mg/l |
| | Marine sediment | 12,46 mg/kg dry weight (d.w.) |

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| | Fresh water sediment | 12,46 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 6,58 mg/l |
| | Intermittent use/release | 0,327 mg/l |
| trizinc bis(orthophosphate) | Soil | 35,6 mg/kg dry weight (d.w.) |
| | Marine water | 0,0061 mg/l |
| | Fresh water | 0,0206 mg/l |
| | Marine sediment | 56,5 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 117,8 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 0,1 mg/l |
| n-butyl acetate | Soil | 0,0903 mg/kg dry weight (d.w.) |
| | Marine water | 0,018 mg/l |
| | Fresh water | 0,18 mg/l |
| | Marine sediment | 0,0981 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 0,981 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 35,6 mg/l |
| | Intermittent use/release | 0,36 mg/l |
| 2-methoxy-1-methylethyl acetate | Soil | 0,29 mg/kg dry weight (d.w.) |
| | Marine water | 0,0635 mg/l |
| | Fresh water | 0,635 mg/l |
| | Marine sediment | 0,329 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 3,29 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 100 mg/l |
| | Intermittent use/release | 0,00635 mg/l |
| butanone | Soil | 22,5 mg/kg dry weight (d.w.) |
| | Marine water | 55,8 mg/l |
| | Fresh water | 55,8 mg/l |
| | Marine sediment | 284,7 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 284,74 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 709 mg/l |
| pentane-2,4-dione | Soil | 0,19323 mg/kg dry weight (d.w.) |
| | Marine water | 0,02 mg/l |
| | Fresh water | 0,2 mg/l |
| | Marine sediment | 0,1909 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 1,909 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 1,32 mg/l |

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UK REACH Regulations SI 2019/758



MOBIHEL 3:1 HS FILLER W/W

Version
1.1

Revision Date:
01.12.2022

SDS Number:
MAT000478435
GB / EN

Date of last issue: 29.09.2021
Date of first issue: 29.09.2021

| | | |
|--|--------------------------|--------------------------------------|
| | Intermittent use/release | 0,26 mg/l |
| dibutyltin dilaurate | Fresh water | 0,000463 mg/l |
| | Sewage treatment plant | 100 mg/l |
| | Intermittent use/release | 0,00463 mg/l |
| Hexanoic acid, 2-ethyl-, zinc salt, basic | Soil | 1,06 - 35,6 mg/kg dry weight (d.w.) |
| | Marine water | 0,0061 - 0,036 mg/l |
| | Fresh water | 0,0206 - 0,360 mg/l |
| | Marine sediment | 0,637 - 56,5 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 6,37 - 117,8 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 0,052 - 71,7 mg/l |
| Hydrocarbons, terpene processing by-products | Intermittent use/release | 0,493 mg/l |
| | Soil | 0,11 mg/kg dry weight (d.w.) |
| | Marine water | 0,00021 mg/l |
| | Fresh water | 0,0021 mg/l |
| | Marine sediment | 0,0542 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 0,542 mg/kg dry weight (d.w.) |
| zinc oxide | Sewage treatment plant | 6,4 mg/l |
| | Intermittent use/release | 0,021 mg/l |
| | Soil | 35,6 mg/kg dry weight (d.w.) |
| | Marine water | 0,0061 mg/l |
| | Fresh water | 0,0206 mg/l |
| | Marine sediment | 56,5 mg/kg dry weight (d.w.) |
| 2-diethylaminoethanol | Fresh water sediment | 117,8 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 0,1 mg/l |
| | Soil | 0,0977 mg/kg dry weight (d.w.) |
| | Marine water | 0,00623 mg/l |
| | Fresh water | 0,0623 mg/l |
| | Marine sediment | 0,0673 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 0,673 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 10 mg/l |
| | Intermittent use/release | 0,623 mg/l |

8.2 Exposure controls

Personal protective equipment

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| Eye protection | : | Equipment should conform to EN 166 Eye wash bottle with pure water Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems. |
| Hand protection | : | |
| Gloves | : | Nitrile rubber (> 0,1 mm; < 60 min); DIN EN374 butyl-rubber (> 0,6 mm; < 240 min); DIN EN374 Viton® (> 0,6 mm; < 240 min); DIN EN374 PE laminate (> 0,1 mm; < 240 min); DIN EN374 |
| Remarks | : | Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. |
| Skin and body protection | : | Impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place. |
| Respiratory protection | : | Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Equipment should conform to EN 14387 |
| Filter type | : | Combined particulates and organic vapour type (A-P) |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | |
|--|---|---|
| Appearance | : | liquid |
| Colour | : | grey |
| Odour | : | solvent-like |
| Odour Threshold | : | No data available |
| pH | : | Not applicable |
| Melting point/freezing point | : | -78,0 °C (calculation method (principal components, lowest value)) |
| Boiling point/boiling range | : | 126 °C (calculation method (principal components, lowest value)) |
| Flash point | : | 29 °C Method: ISO 3679, closed cup |
| Flammability (solid, gas) | : | Static-accumulating flammable liquid., Combustible Solids |
| Upper explosion limit / Upper flammability limit | : | 7,5 %(V) (calculation method (principal components, highest value)) |
| Lower explosion limit / Lower | : | 1,0 %(V) (calculation method (principal components, highest |

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| | |
|--|---|
| flammability limit | value)) |
| Relative vapour density | : No data available |
| Relative density | : No data available |
| Density | : 1,398 g/cm3 |
| Solubility(ies) | |
| Water solubility | : immiscible, partly soluble |
| Solubility in other solvents | : Description: miscible with most organic solvents |
| Partition coefficient: n-octanol/water | : log Pow: < 4 (calculation method (principal components, highest value)) |
| Auto-ignition temperature | : 425 °C (calculation method (principal components, highest value)) |
| Decomposition temperature | : No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions. |
| Viscosity | |
| Viscosity, kinematic | : > 20,5 mm2/s (40 °C) |
| Explosive properties | : Not applicable |
| Oxidizing properties | : Sustains combustion |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

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10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

10.6 Hazardous decomposition products

Adequate ventilation is required.

Heating can release vapours which can be ignited.

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Acute oral toxicity : LD50 Oral (Rat): >= 8.700 mg/kg

Acute inhalation toxicity : Test atmosphere: vapour
Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

Hydrocarbons, C9 aromatics:

Acute dermal toxicity : LD50 (Rabbit): > 3.160 mg/kg

trizinc bis(orthophosphate):

Acute oral toxicity : LD50 (Rat): 5.000 mg/kg

n-butyl acetate:

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Acute oral toxicity : LD50 Oral (Rat): ≥ 10.760 mg/kg

Acute dermal toxicity : LD50 (Rabbit): ≥ 5.000 mg/kg

2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Test atmosphere: vapour

LC0 (Rat): 2000 ppm
Exposure time: 3 h

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

butanone:

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5 mg/l
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

pentane-2,4-dione:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Test atmosphere: vapour
Assessment: The component/mixture is toxic after short term inhalation.

Acute dermal toxicity : Assessment: The component/mixture is toxic after single contact with skin.

2-diethylaminoethanol:

Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

Acute inhalation toxicity : Test atmosphere: vapour
Assessment: The component/mixture is toxic after short term

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inhalation.

Acute dermal toxicity : Assessment: The component/mixture is toxic after single contact with skin.

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : irritating

Hydrocarbons, terpene processing by-products:

Result : irritating

2-diethylaminoethanol:

Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks : May cause irreversible eye damage.

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Result : Eye irritation

butanone:

Result : Eye irritation

dibutyltin dilaurate:

Result : Eye irritation

Hexanoic acid, 2-ethyl-, zinc salt, basic:

Result : Eye irritation

Hydrocarbons, terpene processing by-products:

Result : Eye irritation

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Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : Causes sensitisation.

Components:

dibutyltin dilaurate:

Result : Probability or evidence of skin sensitisation in humans

Hydrocarbons, terpene processing by-products:

Result : Probability or evidence of skin sensitisation in humans

Germ cell mutagenicity

Not classified based on available information.

Components:

dibutyltin dilaurate:

Germ cell mutagenicity- Assessment : In vitro tests showed mutagenic effects

Carcinogenicity

Not classified based on available information.

Components:

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Carcinogenicity - Assessment : Classified based on benzene content < 0.1% (Regulation (EC) 1272/2008, Annex VI, Part 3, Note P)

Reproductive toxicity

Not classified based on available information.

Components:

dibutyltin dilaurate:

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

Hexanoic acid, 2-ethyl-, zinc salt, basic:

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

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STOT - single exposure

May cause respiratory irritation.

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Assessment : May cause respiratory irritation.

Hydrocarbons, C9 aromatics:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

n-butyl acetate:

Assessment : May cause drowsiness or dizziness.

2-methoxy-1-methylethyl acetate:

Assessment : May cause drowsiness or dizziness.

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

butanone:

Assessment : May cause drowsiness or dizziness.

dibutyltin dilaurate:

Assessment : Causes damage to organs.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Assessment : May cause damage to organs through prolonged or repeated exposure.

dibutyltin dilaurate:

Assessment : Causes damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

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Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

May be fatal if swallowed and enters airways.

Hydrocarbons, C9 aromatics:

May be fatal if swallowed and enters airways.

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

May be fatal if swallowed and enters airways.

Hydrocarbons, terpene processing by-products:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Concentrations substantially above the TLV value may cause narcotic effects.
Solvents may degrease the skin.

SECTION 12: Ecological information

12.1 Toxicity

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Toxicity to fish : LC50 (Fish): $\geq 1 - 10$ mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): $\geq 1 - 10$ mg/l

Toxicity to microorganisms : EC50 (Bacteria): $\geq 1 - 100$ mg/l

Hydrocarbons, C9 aromatics:

Toxicity to fish : LC50 (Fish): $\geq 9,2$ mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): $\geq 3,2$ mg/l
Exposure time: 48 h

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

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trizinc bis(orthophosphate):

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :
Very toxic to aquatic life with long lasting effects.

n-butyl acetate:

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): > 200 mg/l
EC50 (Desmodesmus subspicatus (green algae)): >= 647,7 mg/l
Exposure time: 72 h

Toxicity to microorganisms : IC50 (Tetrahymena pyriformis): 356 mg/l
Exposure time: 40 h

2-methoxy-1-methylethyl acetate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 130 mg/l
Exposure time: 96 h

NOEC : 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 : 408 mg/l
Exposure time: 48 h

Toxicity to fish (Chronic toxicity) : EC10: 47,5 mg/l

Solvent naphtha (petroleum), light arom.; Low boiling point naphtha -unspecified:

Toxicity to fish : LC50 (Fish): > 1 - 10 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): > 1 - 10 mg/l

Toxicity to microorganisms : EC50 (Bacteria): > 1 - 10 mg/l

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

butanone:

Toxicity to fish : LC50 (Fish): > 1.000 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): > 1.000 mg/l

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Toxicity to microorganisms : EC50 (Bacteria): > 1.000 mg/l

dibutyltin dilaurate:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

Hexanoic acid, 2-ethyl-, zinc salt, basic:

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Hydrocarbons, terpene processing by-products:

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

zinc oxide:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): >= 1,793 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): >= 2,6 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : IC50 (Desmodesmus subspicatus (green algae)): >= 0,136
plants mg/l
Exposure time: 72 h

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

2-diethylaminoethanol:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 147 mg/l
Exposure time: 96 h
Method: DIN 38412

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 165 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Scenedesmus subspicatus): 62,3 mg/l
Exposure time: 72 h
Test Type: Growth inhibition

Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

12.2 Persistence and degradability

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Biodegradability : Remarks: Readily biodegradable.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

n-butyl acetate:

Biodegradability : Result: Biodegradable
Biodegradation: 83 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Stability in water : Degradation half life: 78 d
pH: 8
Remarks: Hydrolyses slowly.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

2-methoxy-1-methylethyl acetate:

Biodegradability : Remarks: Readily biodegradable.

zinc oxide:

Biodegradability : Result: Biodegradable

12.3 Bioaccumulative potential

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Bioaccumulation : Bioconcentration factor (BCF): 25,9
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2,77 - 3,15

Hydrocarbons, C9 aromatics:

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Partition coefficient: n-octanol/water : log Pow: < 4

n-butyl acetate:

Bioaccumulation : Bioconcentration factor (BCF): 15
Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 1,81

2-methoxy-1-methylethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1,2 (20 °C)
pH: 6,8

butanone:

Partition coefficient: n-octanol/water : log Pow: 0,29

pentane-2,4-dione:

Partition coefficient: n-octanol/water : log Pow: 0,34

2-diethylaminoethanol:

Partition coefficient: n-octanol/water : log Pow: 0,21

12.4 Mobility in soil

Components:

reaction mixture of ethylbenzene, m-xylene and p-xylene:

Distribution among environmental compartments : Koc: 537, log Koc: 2,73
Remarks: Moderately mobile in soils
The product evaporates from soil.

Stability in soil : Dissipation time: 23 d
Percentage dissipation: 50 % (DT50)

Hydrocarbons, C9 aromatics:

Mobility : Medium: Air
Content: 92,9 %

: Medium: Water
Content: 3,5 %

: Medium: Soil
Content: 1,9 %

: Medium: Sediment
Content: 1,8 %

Distribution among environmental compartments : Koc: 1,71 - 14,70
Remarks: Mobile in soils

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Remarks: The product is insoluble and floats on water.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Product:

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

Waste Code : 08 00 00, WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00, wastes from MFSU and removal of paint and varnish
08 01 11*, waste paint and varnish containing organic solvents or other hazardous substances
15 00 00, WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

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15 01 00, packaging (including separately collected municipal packaging waste)
15 01 10*, packaging containing residues of or contaminated by hazardous substances
HP3, Flammable
HP4, Irritant - skin irritation and eye damage
HP5, Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14, Ecotoxic

SECTION 14: Transport information

14.1 UN number

| | | |
|------|---|---------|
| ADN | : | UN 1263 |
| ADR | : | UN 1263 |
| RID | : | UN 1263 |
| IMDG | : | UN 1263 |
| IATA | : | UN 1263 |

14.2 UN proper shipping name

| | | |
|------|---|--|
| ADN | : | PAINT |
| ADR | : | PAINT |
| RID | : | PAINT |
| IMDG | : | PAINT (trizinc bis(orthophosphate), Hydrocarbons, C9 aromatics) |
| IATA | : | Paint |

14.3 Transport hazard class(es)

| | | |
|------|---|---|
| ADN | : | 3 |
| ADR | : | 3 |
| RID | : | 3 |
| IMDG | : | 3 |
| IATA | : | 3 |

14.4 Packing group

| | | |
|------------------------------|---|-----|
| ADN | | |
| Packing group | : | III |
| Classification Code | : | F1 |
| Hazard Identification Number | : | 30 |
| Labels | : | 3 |
| ADR | | |
| Packing group | : | III |

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Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : (D/E)

RID

Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 366
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

| | | |
|--|---|--|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered: Number on list 3 |
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered: Number on list 3 |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : | Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : | Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |

| | | |
|---|-----|---|
| Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. | E2 | ENVIRONMENTAL HAZARDS |
| | P5c | FLAMMABLE LIQUIDS |
| | 34 | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d) |
| Seveso III Directive (2012/18/EU) implemented by Control of Major Accident Hazards Regulations 2015 (COMAH) | E2 | ENVIRONMENTAL HAZARDS |
| | P5c | FLAMMABLE LIQUIDS |
| | 34 | Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils (e) |

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alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

Volatile organic compounds : Directive 2004/42/EC
Volatile organic compounds (VOC) content: 540 g/l

Other regulations:

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full text of H-Statements

| | |
|--------|--|
| H225 | : Highly flammable liquid and vapour. |
| H226 | : Flammable liquid and vapour. |
| H302 | : Harmful if swallowed. |
| H304 | : May be fatal if swallowed and enters airways. |
| H311 | : Toxic in contact with skin. |
| 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. |
| H331 | : Toxic if inhaled. |
| H332 | : Harmful if inhaled. |
| H335 | : May cause respiratory irritation. |
| H336 | : May cause drowsiness or dizziness. |
| H341 | : Suspected of causing genetic defects. |
| H360FD | : May damage fertility. May damage the unborn child. |
| H361d | : Suspected of damaging 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. |
| H411 | : Toxic to aquatic life with long lasting effects. |
| H412 | : Harmful to aquatic life with long lasting effects. |

Full text of other abbreviations

| | |
|-----------------|--------------------------------------|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Asp. Tox. | : Aspiration hazard |
| Eye Dam. | : Serious eye damage |

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| | | |
|-------------|---|--|
| Eye Irrit. | : | Eye irritation |
| Flam. Liq. | : | Flammable liquids |
| Muta. | : | Germ cell mutagenicity |
| Repr. | : | Reproductive toxicity |
| Skin Corr. | : | Skin corrosion |
| Skin Irrit. | : | Skin irritation |
| Skin Sens. | : | Skin sensitisation |
| STOT RE | : | Specific target organ toxicity - repeated exposure |
| STOT SE | : | Specific target organ toxicity - single exposure |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Classification of the mixture:

| | |
|---------------|------|
| Flam. Liq. 3 | H226 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2 | H319 |
| STOT SE 3 | H336 |
| STOT SE 3 | H335 |
| STOT RE 2 | H373 |

Classification procedure:

| |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |
| Calculation method |

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Aquatic Chronic 2

H411

Calculation method

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