

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

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

1.1 Product identifier

Trade name : MOBIHEL 2:1 HS CLEARCOAT FastDry

Product code : 40093102

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 : KANSAI HELIOS Slovenija 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@kansai-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)

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



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| | | GB/EN | |

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|--|--|
| Flammable liquids, Category 3 | H226: Flammable liquid and vapour. |
| Skin sensitisation, Category 1 | H317: May cause an allergic skin reaction. |
| Specific target organ toxicity - single exposure, Category 3, Central nervous system | H336: May cause drowsiness or dizziness. |
| Long-term (chronic) aquatic hazard, Category 3 | H412: Harmful 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.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements

: EUH066 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

: **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist or vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.
Response:
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:
n-butyl acetate

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



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mixture of benzotriazole
mixture of sterically composed sebacates
ethylene bis(3-mercaptopropionate)
dibutyltin dilaurate

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) |
|--|--|---|--------------------------|
| 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) | $\geq 20 - < 30$ |
| heptan-2-one | 110-43-0 203-767-1 606-024-00-3 01-2119902391-49 | Flam. Liq. 3; H226 Acute Tox. 4; H302 Acute Tox. 4; H332 STOT SE 3; H336 (Central nervous system) | $\geq 10 - < 20$ |
| isobutyl acetate | 110-19-0 203-745-1 607-026-00-7 01-2119488971-22 | Flam. Liq. 2; H225 STOT SE 3; H336 (Central nervous system) | $\geq 1 - < 10$ |
| mixture of benzotriazole | 104810-48-2 400-830-7 607-176-00-3 01-0000015075-76 | Skin Sens. 1; H317 Aquatic Chronic 2; H411 | $\geq 0,25 - < 1$ |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 1065336-91-5 915-687-0 01-2119491304-40 | Skin Sens. 1; H317 Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | $\geq 0,25 - < 1$ |
| glycol dimercaptopropionate | 22504-50-3 245-044-3 01-2120775145-52 | Acute Tox. 4; H302 Acute Tox. 4; H312 Eye Irrit. 2; H319 Skin Sens. 1A; H317 | $\geq 0,25 - < 1$ |

SAFETY DATA SHEET

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|----------------------|--|--|-----------------|
| | | Aquatic Acute 1; H400 Aquatic Chronic 1; H410 | |
| dibutyltin dilaurate | 77-58-7 201-039-8 050-030-00-3 01-2119496068-27 | 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 | >= 0,1 - < 0,25 |

For explanation of abbreviations see section 16.

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 on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.
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 : May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

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May cause an allergic skin reaction.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.
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.

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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.

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.

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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.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-----------------|--|-------------------------------|----------------------------------|--------------|
| n-butyl acetate | 123-86-4 | TWA | 150 ppm 724 mg/m ³ | GB EH40 |
| | | STEL | 200 ppm 966 mg/m ³ | GB EH40 |
| | | STEL | 150 ppm 723 mg/m ³ | 2019/1831/EU |
| | Further information: Indicative | | | |
| | | TWA | 50 ppm 241 mg/m ³ | 2019/1831/EU |
| | Further information: Indicative | | | |
| heptan-2-one | 110-43-0 | TWA | 50 ppm 237 mg/m ³ | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | STEL | 100 ppm 475 mg/m ³ | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | TWA | 50 ppm 238 mg/m ³ | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the | | | |

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UK REACH Regulations SI 2019/758



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MAT000400931
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Date of last issue: 16.11.2022
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|----------------------|--|------|----------------------|------------------|
| | skin, Indicative | | | |
| | | STEL | 100 ppm 475 mg/m3 | 2000/39/EC |
| | Further information: Identifies the possibility of significant uptake through the skin, Indicative | | | |
| isobutyl acetate | 110-19-0 | TWA | 150 ppm 724 mg/m3 | GB EH40 |
| | | STEL | 187 ppm 903 mg/m3 | GB EH40 |
| | | TWA | 50 ppm 241 mg/m3 | 2019/1831/E U |
| | Further information: Indicative | | | |
| | | STEL | 150 ppm 723 mg/m3 | 2019/1831/E U |
| | Further information: Indicative | | | |
| dibutyltin dilaurate | 77-58-7 | TWA | 0,1 mg/m3 (Tin) | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |
| | | STEL | 0,2 mg/m3 (Tin) | GB EH40 |
| | Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. | | | |

Derived No Effect Level (DNEL):

according to Regulation (EC) No. 1907/2006

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|-----------------|-----------|-----------------|----------------------------|---------------------|
| 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 | 2 mg/kg |

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UK REACH Regulations SI 2019/758



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| | | | | |
|------------------------------------|-----------|------------|----------------------------|--------------------|
| | | | effects | 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 |
| heptan-2-one | Workers | Inhalation | Long-term systemic effects | 394,25 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 84,31 mg/m3 |
| | Workers | Inhalation | Acute systemic effects | 1516 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 54,27 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 23,32 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 23,32 mg/kg bw/day |
| isobutyl acetate | Workers | Inhalation | Long-term systemic effects | 300 mg/m3 |
| | Workers | Inhalation | Acute systemic effects | 600 mg/m3 |
| | Workers | Inhalation | Long-term local effects | 300 mg/m3 |
| | Workers | Inhalation | Acute local effects | 600 mg/m3 |
| | Consumers | Inhalation | Long-term systemic effects | 35,7 mg/m3 |
| | Consumers | Inhalation | Long-term local effects | 35,7 mg/m3 |
| | Consumers | Inhalation | Acute local effects | 300 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 10 mg/kg bw/day |
| | Consumers | Oral | Acute systemic effects | 5 mg/kg bw/day |
| | Workers | Dermal | Acute systemic effects | 10 mg/kg bw/day |
| | Consumers | Dermal | Long-term systemic effects | 5 mg/kg bw/day |
| | Consumers | Dermal | Acute systemic effects | 5 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 5 mg/kg bw/day |
| ethylene bis(3-mercaptopropionate) | Workers | Inhalation | Long-term systemic effects | 0,490 mg/m3 |
| | Workers | Dermal | Long-term systemic effects | 0,140 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 0,074 mg/m3 |

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



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|----------------------|-----------|------------|----------------------------|---------------------|
| | Consumers | Dermal | Long-term systemic effects | 0,050 mg/kg bw/day |
| | Consumers | Oral | Long-term systemic effects | 0,050 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 |

Predicted No Effect Concentration (PNEC):

according to Regulation (EC) No. 1907/2006

| Substance name | Environmental Compartment | Value |
|------------------|---------------------------|--------------------------------|
| 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.) |
| heptan-2-one | Sewage treatment plant | 35,6 mg/l |
| | Intermittent use/release | 0,36 mg/l |
| | Soil | 0,321 mg/kg dry weight (d.w.) |
| | Marine water | 0,00982 mg/l |
| | Fresh water | 0,0982 mg/l |
| | Marine sediment | 0,189 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 1,89 mg/kg dry weight (d.w.) |
| isobutyl acetate | Sewage treatment plant | 12,5 mg/l |
| | Intermittent use/release | 0,982 mg/l |
| | Soil | 0,0755 mg/kg dry weight (d.w.) |
| | Marine water | 0,017 mg/l |

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



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| | | | |
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| | | GB/EN | |

| | | |
|------------------------------------|--------------------------|--------------------------------|
| | Fresh water | 0,17 mg/l |
| | Marine sediment | 0,0877 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 0,877 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 200 mg/l |
| | Intermittent use/release | 0,34 mg/l |
| ethylene bis(3-mercaptopropionate) | Fresh water | 0,00006 mg/l |
| dibutyltin dilaurate | Fresh water | 0,000463 mg/l |
| | Sewage treatment plant | 100 mg/l |
| | Intermittent use/release | 0,00463 mg/l |

8.2 Exposure controls

Personal protective equipment

Eye/face protection : Equipment should conform to EN 166
Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

Gloves : Nitrile rubber (> 0,1 mm; < 60 min); ISO EN374 |
butyl-rubber (> 0,6 mm; < 240 min); ISO EN374 |
Viton® (> 0,6 mm; < 240 min); ISO EN374 |
PE laminate (> 0,1 mm; < 240 min); ISO EN374 |

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
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 : Organic vapour type (A)

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| | | GB/EN | |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | : liquid |
| Colour | : colourless |
| Odour | : solvent-like |
| Odour Threshold | : No data available |
| pH | : Not applicable |
| Melting point/freezing point | : -98,8 °C (calculation method (principal components, lowest value)) |
| Boiling point/boiling range | : 117 °C (calculation method (principal components, lowest value)) |
| Flash point | : 25 °C Method: ISO 3679, closed cup |
| Flammability (solid, gas) | : Static-accumulating flammable liquid., Combustible Solids |
| Upper explosion limit / Upper flammability limit | : 10,5 %(V) (calculation method (principal components, highest value)) |
| Lower explosion limit / Lower flammability limit | : 1,2 %(V) (calculation method (principal components, highest value)) |
| Relative vapour density | : No data available |
| Relative density | : No data available |
| Density | : 0,979 g/cm3 |
| Solubility(ies) | |
| Water solubility | : partly miscible |
| Solubility in other solvents | : Description: miscible with most organic solvents |
| Partition coefficient: n-octanol/water | : log Pow: 1,98 (calculation method (principal components, highest value)) |
| Ignition temperature | : 393 °C (calculation method (principal components, highest value)) |

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| | | | |
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| | | GB/EN | |

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)

Flow time : 18 - 23 s at 20 °C
Cross section: 4 mm
Method: DIN 53211

Explosive properties : Not applicable

Oxidizing properties : Sustains combustion

9.2 Other information

No data available
VOC : (Directive 2004/42/EC)
420 g/l

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.

10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SAFETY DATA SHEET

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UK REACH Regulations SI 2019/758



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
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| | | GB/EN | |

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.
Not classified due to lack of data.

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 |

Components:

n-butyl acetate:

| | | |
|-----------------------|---|--------------------------------------|
| Acute oral toxicity | : | LD50 Oral (Rat): \geq 10.760 mg/kg |
| Acute dermal toxicity | : | LD50 (Rabbit): \geq 5.000 mg/kg |

heptan-2-one:

| | | |
|---------------------------|---|---|
| Acute oral toxicity | : | Assessment: The component/mixture is moderately toxic after single ingestion. |
| Acute inhalation toxicity | : | Test atmosphere: vapour Assessment: The component/mixture is moderately toxic after short term inhalation. |

ethylene bis(3-mercaptopropionate):

| | | |
|-----------------------|---|--------------------------------|
| Acute oral toxicity | : | LD50 Oral (Rat): 668 mg/kg |
| Acute dermal toxicity | : | LD50 Dermal (Rat): 2.000 mg/kg |

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.
Repeated exposure may cause skin dryness or cracking.

Product:

| | | |
|---------|---|--|
| Remarks | : | May cause skin irritation and/or dermatitis. |
|---------|---|--|

Serious eye damage/eye irritation

Not classified based on available information.

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

Not classified due to lack of data.

Product:

Remarks : Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

ethylene bis(3-mercaptopropionate):

Result : Eye irritation

dibutyltin dilaurate:

Result : Eye irritation

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified due to lack of data.

Product:

Remarks : Causes sensitisation.

Components:

mixture of benzotriazole:

Result : Probability or evidence of skin sensitisation in humans

mixture of sterically composed sebacates:

Result : May cause sensitisation by skin contact.

ethylene bis(3-mercaptopropionate):

Result : The product is a skin sensitizer, sub-category 1A.

dibutyltin dilaurate:

Result : Probability or evidence of skin sensitisation in humans

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

Germ cell mutagenicity

Not classified based on available information.
Not classified due to lack of data.

Components:

dibutyltin dilaurate:

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

Carcinogenicity

Not classified based on available information.
Not classified due to lack of data.

Reproductive toxicity

Not classified based on available information.
Not classified due to lack of data.

Components:

mixture of sterically composed sebacates:

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility ,based on animal experiments.

dibutyltin dilaurate:

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

STOT - single exposure

May cause drowsiness or dizziness.
May cause drowsiness or dizziness.

Components:

n-butyl acetate:

Assessment : May cause drowsiness or dizziness.

heptan-2-one:

Assessment : May cause drowsiness or dizziness.

isobutyl acetate:

Assessment : May cause drowsiness or dizziness.

dibutyltin dilaurate:

Assessment : Causes damage to organs.

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

STOT - repeated exposure

Not classified based on available information.
Not classified due to lack of data.

Components:

dibutyltin dilaurate:

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

Aspiration toxicity

Not classified based on available information.
Not classified due to lack of data.

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:

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

mixture of benzotriazole:

Ecotoxicology Assessment

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

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

mixture of sterically composed sebacates:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

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

ethylene bis(3-mercaptopropionate):

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

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

dibutyltin dilaurate:

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity :

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

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
Hydrolyses slowly.

Photodegradation : Decomposes rapidly in contact with light.

12.3 Bioaccumulative potential

Components:

n-butyl acetate:

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

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

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

heptan-2-one:

Partition coefficient: n-octanol/water : log Pow: 1,98

isobutyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1,72

mixture of sterically composed sebacates:

Partition coefficient: n-octanol/water : log Pow: 2,37 - 2,77
pH: 7

12.4 Mobility in soil

No data available

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 : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful 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 chemi-

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

cal 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.

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 |
| IATA | : Paint |

14.3 Transport hazard class(es)

| | Class | Subsidiary risks |
|------|-------|------------------|
| 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 |

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

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 : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

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.

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

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

| | | |
|---|-----|---|
| UK REACH List of restrictions (Annex 17) | : | Conditions of restriction for the following entries should be considered: Number on list 3 |
| UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation | : | Not applicable |
| The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) | : | Not applicable |
| Regulation (EC) No 1005/2009 on substances that deplete the ozone layer | : | Not applicable |
| UK REACH List of substances subject to authorisation (Annex XIV) | : | Not applicable |
| GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation | : | dibutyltin dilaurate |
| Control of Major Accident Hazards Regulations 2015 (COMAH) | P5c | FLAMMABLE LIQUIDS |
| Volatile organic compounds | : | Directive 2004/42/EC Volatile organic compounds (VOC) content: 420 g/l |

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

SECTION 16: Other information

Full text of H-Statements

| | |
|--------|---|
| H225 | : Highly flammable liquid and vapour. |
| H226 | : Flammable liquid and vapour. |
| H302 | : Harmful if swallowed. |
| H312 | : Harmful in contact with skin. |
| H317 | : May cause an allergic skin reaction. |
| H319 | : Causes serious eye irritation. |
| H332 | : Harmful if inhaled. |
| H336 | : May cause drowsiness or dizziness. |
| H341 | : Suspected of causing genetic defects. |
| H360FD | : May damage fertility. May damage the unborn child. |
| H361f | : Suspected of damaging fertility. |
| H370 | : Causes damage to organs. |
| H372 | : Causes 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. |

Full text of other abbreviations

| | |
|---------------------|--|
| Acute Tox. | : Acute toxicity |
| Aquatic Acute | : Short-term (acute) aquatic hazard |
| Aquatic Chronic | : Long-term (chronic) aquatic hazard |
| Eye Irrit. | : Eye irritation |
| Flam. Liq. | : Flammable liquids |
| Muta. | : Germ cell mutagenicity |
| Repr. | : Reproductive toxicity |
| Skin Sens. | : Skin sensitisation |
| STOT RE | : Specific target organ toxicity - repeated exposure |
| STOT SE | : Specific target organ toxicity - single exposure |
| 2000/39/EC | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| 2019/1831/EU | : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values |
| GB EH40 | : UK. EH40 WEL - Workplace Exposure Limits |
| 2000/39/EC / TWA | : Limit Value - eight hours |
| 2000/39/EC / STEL | : Short term exposure limit |
| 2019/1831/EU / TWA | : Limit Value - eight hours |
| 2019/1831/EU / STEL | : Short term exposure limit |
| GB EH40 / TWA | : Long-term exposure limit (8-hour TWA reference period) |
| GB EH40 / STEL | : Short-term exposure limit (15-minute reference period) |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - 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 -

SAFETY DATA SHEET

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



MOBIHEL 2:1 HS CLEARCOAT FastDry

| | | | |
|---------|----------------|--------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 16.11.2022 |
| 1.4 | 07.02.2025 | MAT000400931 | Date of first issue: 19.08.2021 |
| | | GB/EN | |

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

Further information

Classification of the mixture:

| | |
|-------------------|------|
| Flam. Liq. 3 | H226 |
| Skin Sens. 1 | H317 |
| STOT SE 3 | H336 |
| Aquatic Chronic 3 | H412 |

Classification procedure:

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

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