

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	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

Product code : 480783

Trade name : MOBIHEL 2K HS FILLER AirDry low VOC

Unique Formula Identifier (UFI) : WPW0-P01A-A00R-SSHS

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

Use of the Sub-stance/Mixture : PC9a 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 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)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Long-term (chronic) aquatic hazard, Cat-	H411: Toxic to aquatic life with long lasting effects.

SAFETY DATA SHEET

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		GB / EN	

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.
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.
P273 Avoid release to the environment.

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.
P391 Collect spillage.

Storage:
P403 + P235 Store in a well-ventilated place. Keep cool.

Additional Labelling

EUH208 Contains dibutyltin dilaurate. May produce an allergic reaction.

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

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.

Ecological information: 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.

Toxicological information: 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.

SAFETY DATA SHEET

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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) EUH066	>= 1 - < 10
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) EUH066	>= 1 - < 10
trizinc bis(orthophosphate)	7779-90-0 231-944-3 030-011-00-6	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2,5 - < 10
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	>= 1 - < 10
Hydrocarbons, C9 aromatics	- 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
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	>= 1 - < 10
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	>= 0,1 - < 0,25
dibutyltin dilaurate	77-58-7	Eye Irrit. 2; H319	>= 0,1 - < 0,25

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

	201-039-8 050-030-00-3	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	
Substances with a workplace exposure limit :			
Talc	14807-96-6 238-877-9 01-2120140278-58		$\geq 1 - < 10$

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 | : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| 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 | : 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

None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

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Version	Revision Date:	SDS Number:	Date of last issue: -
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		GB / EN	

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.

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, ver-

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		GB / EN	

miculite) 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.
- For further information, refer to the product technical data sheet.
- Consult the technical guidelines for the use of this substance/mixture.

SAFETY DATA SHEET

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Version
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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Calcium carbonate	471-34-1	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40
barium sulphate, natural	7727-43-7	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40
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			
titanium dioxide	13463-67-7	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40
Talc	14807-96-6	TWA (Respirable dust)	1 mg/m ³	GB EH40
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
	Further information: Carcinogens or mutagens			
isobutyl acetate	110-19-0	TWA	150 ppm 724 mg/m ³	GB EH40
		STEL	187 ppm 903 mg/m ³	GB EH40
		TWA	50 ppm 241 mg/m ³	2019/1831/EU
	Further information: Indicative			
		STEL	150 ppm 723 mg/m ³	2019/1831/EU
	Further information: Indicative			
reaction mixture of ethylbenzene, m-xylene and p-xylene	1330-20-7	TWA	50 ppm 221 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the			

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SDS Number:
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GB / EN

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

	skin, Indicative			
		STEL	100 ppm 442 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 220 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 441 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.			
dibutyltin dilaurate	77-58-7	TWA	0,1 mg/m ³ (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/m ³ (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.			

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
reaction mixture of ethylbenzene, m-xylene and p-xylene	1330-20-7	methyl hippuric acid: 650 Millimoles per mole Creatinine (Urine)	After shift	GB EH40 BAT

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Calcium carbonate	Workers	Inhalation	Long-term local effects	4,26 mg/m ³
	Consumers	Inhalation	Long-term local effects	1,06 mg/m ³
barium sulphate, natural	Consumers	Inhalation	Long-term systemic effects	10 mg/m ³
	Workers	Inhalation	Long-term systemic effects	10 mg/m ³
	Consumers	Oral	Long-term systemic effects	13000 mg/kg bw/day
n-butyl acetate	Workers	Inhalation	Acute systemic effects	600 mg/m ³
	Workers	Inhalation	Acute local effects	600 mg/m ³
	Workers	Inhalation	Long-term systemic effects	48 mg/m ³

SAFETY DATA SHEET

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Version
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	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
titanium dioxide	Workers	Inhalation	Long-term local effects	10 mg/m3
	Consumers	Oral	Long-term systemic effects	700 mg/kg bw/day
Talc	Workers	Inhalation	Acute systemic effects	2,16 mg/m3
	Workers	Inhalation	Acute local effects	3,6 mg/m3
	Consumers	Inhalation	Acute systemic effects	1,08 mg/m3
	Consumers	Inhalation	Acute local effects	1,8 mg/m3
	Consumers	Dermal	Long-term local effects	2,27 mg/cm2
	Workers	Dermal	Long-term local effects	4,54 mg/cm2
	Consumers	Oral	Long-term systemic effects	160 mg/kg bw/day
	Consumers	Oral	Acute systemic effects	160 mg/kg bw/day
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Consumers	Dermal	Long-term systemic effects	21,6 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Version
1.0

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SDS Number:
MAT000480783
GB / EN

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

	Consumers	Inhalation	Long-term local effects	35,7 mg/m ³
	Consumers	Inhalation	Acute local effects	300 mg/m ³
	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
trizinc bis(orthophosphate)	Workers	Inhalation	Long-term systemic effects	5 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	2,5 mg/m ³
	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
reaction mixture of ethylbenzene, m-xylene and p-xylene	Workers	Inhalation	Long-term systemic effects	77 mg/m ³
	Consumers	Inhalation	Long-term local effects	65,3 mg/m ³
	Workers	Inhalation	Acute systemic effects	442 mg/m ³
	Workers	Inhalation	Acute local effects	289 mg/m ³
	Consumers	Inhalation	Acute systemic effects	260 mg/m ³
	Workers	Inhalation	Long-term local effects	221 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	14,8 mg/m ³
	Consumers	Inhalation	Acute local effects	260 mg/m ³
	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/m ³
	Workers	Oral	Long-term systemic effects	150 mg/m ³
	Consumers	Inhalation	Long-term exposure	32 mg/m ³
	Workers	Dermal	Long-term systemic	25 mg/kg

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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			effects	bw/day
	Consumers	Dermal	Long-term systemic effects	11 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
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
	Consumers	Oral	Long-term systemic effects	0,83 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
Calcium carbonate	Sewage treatment plant	100 mg/l
barium sulphate, natural	Soil	207,7 mg/kg dry weight (d.w.)
	Fresh water	0,115 mg/l
	Fresh water sediment	600,4 mg/kg dry weight (d.w.)
	Sewage treatment plant	62,2 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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		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
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
Talc	Marine water	141,26 mg/l
	Fresh water	597,97 mg/l
	Marine sediment	3,13 mg/kg dry weight (d.w.)
	Fresh water sediment	31,33 mg/kg dry weight (d.w.)
	Intermittent use/release	597,97 mg/l
isobutyl acetate	Soil	0,0755 mg/kg dry weight (d.w.)
	Marine water	0,017 mg/l
	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
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
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.)
	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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

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
	Intermittent use/release	0,26 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
	Intermittent use/release	0,493 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 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); 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

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

Physical state	: liquid
Colour	: grey
Odour	: solvent-like
Odour Threshold	: No data available
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))
Flammability	: 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))
Flash point	: 29 °C Method: ISO 3679, closed cup
Ignition temperature	: 423 °C (calculation method (principal components, highest value))
Decomposition temperature	: No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions.
pH	: Not applicable
Viscosity	
Viscosity, kinematic	: > 20,5 mm ² /s (40 °C)
Solubility(ies)	
Water solubility	: partly miscible
Solubility in other solvents	: Description: miscible with most organic solvents
Partition coefficient: n-octanol/water	: log Pow: 1,81 (calculation method (principal components, highest value))
Vapour pressure	: < 1.100 hPa (calculation method (principal components, high-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

est value))
(50 °C)

Relative density : No data available

Density : 1,516 g/cm³

Relative vapour density : No data available

9.2 Other information

Explosives : Not applicable

Oxidizing properties : Sustains combustion

VOC : (Directive 2004/42/EC)
540 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

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

Acute toxicity

Not classified based on available information.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

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:

n-butyl acetate:

Acute oral toxicity	:	LD50 Oral (Rat): >= 10.760 mg/kg
Acute dermal toxicity	:	LD50 (Rabbit): >= 5.000 mg/kg

trizinc bis(orthophosphate):

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

Skin corrosion/irritation

Not classified based on available information.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
GB / EN			

Product:

Remarks : May cause skin irritation and/or dermatitis.

Components:

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

Result : irritating

Serious eye damage/eye irritation

Not classified based on available information.

Product:

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

Components:

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

Result : Eye irritation

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

Result : Eye irritation

dibutyltin dilaurate:

Result : Eye irritation

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

Germ cell mutagenicity

Not classified based on available information.

Components:

dibutyltin dilaurate:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

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

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

Components:

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

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, 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

Not classified based on available information.

Components:

n-butyl acetate:

Assessment : May cause drowsiness or dizziness.

isobutyl acetate:

Assessment : May cause drowsiness or dizziness.

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.

dibutyltin dilaurate:

Assessment : Causes damage to organs.

STOT - repeated exposure

Not classified based on available information.

Components:

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
GB / EN			

dibutyltin dilaurate:

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

Aspiration toxicity

Not classified based on available information.

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.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : 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.

Further information

Product:

Remarks : 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

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.

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.

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

Ecotoxicology Assessment

Chronic aquatic toxicity : Harmful 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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

Photodegradation : Decomposes rapidly in contact with light.

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

Biodegradability : Readily biodegradable.

Photodegradation : Decomposes rapidly in contact with light.

12.3 Bioaccumulative potential

Components:

n-butyl acetate:

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

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

isobutyl acetate:

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

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

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

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

Hydrocarbons, C9 aromatics:

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

pentane-2,4-dione:

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

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
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 %

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

: Medium: Water
Content: 3,5 %

: Medium: Soil
Content: 1,9 %

: Medium: Sediment
Content: 1,8 %

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

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 Endocrine disrupting properties

Product:

Assessment : 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.

12.7 Other adverse effects

Product:

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
GB / EN			

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
15 01 00, packaging (including separately collected municipal packaging waste)
15 01 10*, packaging containing residues of or contaminated by hazardous substances
HP3, Flammable
HP7, Carcinogenic
HP14, Ecotoxic

SECTION 14: Transport information

14.1 UN number or ID 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

14.4 Packing group

ADN

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

ADR

Packing group : III
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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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
REACH - List of substances subject to authorisation (Annex XIV)	:	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
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	:	dibutyltin dilaurate

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
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P5c FLAMMABLE LIQUIDS

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

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
GB / EN			

H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
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.
EUH066	: Repeated exposure may cause skin dryness or cracking.

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 Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Muta.	: Germ cell mutagenicity
Repr.	: Reproductive toxicity
Skin Irrit.	: Skin irritation
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
2004/37/EC	: Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
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
GB EH40 BAT	: UK. Biological monitoring guidance values
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
2004/37/EC / TWA	: Long 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)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



MOBIHEL 2K HS FILLER AirDry low VOC

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	29.09.2021	MAT000480783	Date of first issue: 29.09.2021
		GB / EN	

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Flam. Liq. 3	H226
Aquatic Chronic 2	H411

Classification procedure:

Based on product data or assessment
Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.