

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/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 : 40093104

Unique Formula Identifier (UFI) : 07KE-A206-A00U-2SWS

#### 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 : 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

Instituto Nacional de Toxicología y Ciencias Forenses Servicio de Información Toxicológica + 34  
91 562 04 20

### 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.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single ex-	H336: May cause drowsiness or dizziness.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



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Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

posure, Category 3, Central nervous system

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)

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.
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Precautionary statements	<b>Prevention:</b>	
	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  
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.

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Revision Date:  
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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.

### 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	>= 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)	>= 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) EUH066	>= 1 - < 10
reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -hydroxypoly(oxyethylene) and $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	104810-48-2 400-830-7 607-176-00-3 01-0000015075-76	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 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	>= 0,25 - < 1

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Date of last issue: 27.11.2023  
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		Aquatic Chronic 1; H410	
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 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  Acute toxicity estimate  Acute oral toxicity: 668 mg/kg Acute dermal toxicity: 2.000 mg/kg	$\geq 0,25 - < 1$
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	$\geq 0,1 - < 0,25$

### 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.

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## MOBIHEL 2:1 HS CLEARCOAT FastDry

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2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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.

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 (CO<sub>2</sub>)  
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.

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Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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, 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

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according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



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Version  
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Date of last issue: 27.11.2023  
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(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.

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	VLA-ED	50 ppm 241 mg/m <sup>3</sup>	ES VLA
		VLA-EC	150 ppm 723 mg/m <sup>3</sup>	ES VLA
		STEL	150 ppm 723 mg/m <sup>3</sup>	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m <sup>3</sup>	2019/1831/EU
	Further information: Indicative			
heptan-2-one	110-43-0	TWA	50 ppm 238 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 475 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		VLA-ED	50 ppm 237 mg/m <sup>3</sup>	ES VLA

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2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
ES/EN

Date of last issue: 27.11.2023  
Date of first issue: 27.11.2023

	Further information: Skin			
		VLA-EC	100 ppm 474 mg/m3	ES VLA
	Further information: Skin			
isobutyl acetate	110-19-0	VLA-ED	50 ppm 241 mg/m3	ES VLA
		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			
		VLA-EC	150 ppm 723 mg/m3	ES VLA
dibutyltin dilaurate	77-58-7	VLA-ED	0,1 mg/m3 (Tin)	ES VLA
	Further information: Skin			
		VLA-EC	0,2 mg/m3 (Tin)	ES VLA
	Further information: Skin			

### 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 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
heptan-2-one	Workers	Inhalation	Long-term systemic	394,25 mg/m3



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MAT000400931  
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Date of last issue: 27.11.2023  
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			effects	
	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
	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

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according to Regulation (EC) No. 1907/2006, as amended by  
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Version  
2.0

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MAT000400931  
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Date of last issue: 27.11.2023  
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	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.)
	Sewage treatment plant	35,6 mg/l
heptan-2-one	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
	Fresh water	0,17 mg/l
	Marine sediment	0,0877 mg/kg dry weight (d.w.)
ethylene bis(3-mercaptopropionate)	Fresh water sediment	0,877 mg/kg dry weight (d.w.)
	Sewage treatment plant	200 mg/l
	Intermittent use/release	0,34 mg/l
	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

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Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

### 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 condi-  
tions 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 con-  
centration of the dangerous substance at the work place.

Respiratory protection : Use respiratory protection unless adequate local exhaust ven-  
tilation 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)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : colourless

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 : 10,5 %(V)

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2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

flammability limit	(calculation method (principal components, highest value))
Lower explosion limit / Lower flammability limit	: 1,2 %(V) (calculation method (principal components, highest value))
Flash point	: 25 °C Method: ISO 3679, closed cup
Ignition temperature	: 393 °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 <sup>2</sup> /s (40 °C)
Flow time	: 18 - 23 s at 20 °C Cross section: 4 mm Method: DIN 53211
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))
Relative density	: No data available
Density	: 0,979 g/cm <sup>3</sup>
Relative vapour density	: No data available

### 9.2 Other information

Explosives	: Not applicable
Oxidizing properties	: Sustains combustion
VOC	: (Directive 2004/42/EC) 420 g/l

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2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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### 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.

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### 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.

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): >= 10.760 mg/kg

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

##### **heptan-2-one:**

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Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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.

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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version  
2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
ES/EN

Date of last issue: 27.11.2023  
Date of first issue: 27.11.2023

### **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 sensitiser, sub-category 1A.

#### **dibutyltin dilaurate:**

Result : Probability or evidence of skin sensitisation in humans

### **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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version  
2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
ES/EN

Date of last issue: 27.11.2023  
Date of first issue: 27.11.2023

### 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.

### **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.

## 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 : 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.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version  
2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
ES/EN

Date of last issue: 27.11.2023  
Date of first issue: 27.11.2023

### 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.

##### **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 %

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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.

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 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.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

### 12.7 Other adverse effects

#### Product:

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 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 15 01 00, packaging (including separately collected municipal packaging waste) 15 01 10, packaging containing residues of or contaminated by hazardous substances HP3, Flammable HP13, Sensitising

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN	: UN 1263
ADR	: UN 1263
RID	: UN 1263
IMDG	: UN 1263

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version  
2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
ES/EN

Date of last issue: 27.11.2023  
Date of first issue: 27.11.2023

**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
<b>ADN</b>	: 3	
<b>ADR</b>	: 3	
<b>RID</b>	: 3	
<b>IMDG</b>	: 3	
<b>IATA</b>	: 3	

### 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

### 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 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, mixtures and articles (Annex XVII)	: Conditions of restriction for the following entries should be considered: Number on list 75, 3
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If you intend to use this product as tattoo ink, please contact your vendor.

dibutyltin dilaurate (Number on list 30, 20)

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
Regulation (EU) No 649/2012 of the European Parliament	: dibutyltin dilaurate

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

ment and the Council concerning the export and import  
of dangerous chemicals

REACH - List of substances subject to authorisation : Not applicable  
(Annex XIV)

Seveso III: Directive 2012/18/EU of the Euro- P5c FLAMMABLE LIQUIDS  
pean Parliament and of the Council on the  
control of major-accident hazards involving  
dangerous substances.

Volatile organic compounds : Directive 2004/42/EC  
Volatile organic compounds (VOC) content: 420 g/l

### Other regulations:

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

Take note of Directive 94/33/EC on the protection of young people at work 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.
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.
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
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version	Revision Date:	SDS Number:	Date of last issue: 27.11.2023
2.0	07.02.2025	MAT000400931	Date of first issue: 27.11.2023
		ES/EN	

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
ES VLA	: Spain. Environmental Limits for exposure to Chemical agents - Table 1: Occupational Exposure Values
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
ES VLA / VLA-ED	: Environmental Daily Limit Value
ES VLA / VLA-EC	: Environmental Short Term Value

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 - 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; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 HS CLEARCOAT FastDry

Version  
2.0

Revision Date:  
07.02.2025

SDS Number:  
MAT000400931  
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Date of last issue: 27.11.2023  
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### 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

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.