

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E N      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024

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

#### 1.1 Product identifier

Trade name : MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Product code : 40026401

#### 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

01 809 2166 National Poisons Information Centre 01 809 2166

01 809 2566 Healthcare Professionals 01 809 2566

01 809 2566 Healthcare Professionals 01 809 2566

Access code: 13586 +1 760 476 3962

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.

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Specific target organ toxicity - single exposure, Category 3, Central nervous system      H336: May cause drowsiness or dizziness.  
Specific target organ toxicity - single exposure, Category 3, Respiratory system      H335: May cause respiratory irritation.  
Specific target organ toxicity - repeated exposure, Category 2      H373: May cause damage to organs through prolonged or repeated exposure.  
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 : Danger

Hazard statements : H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful 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.  
P233 Keep container tightly closed.  
P260 Do not breathe mist or vapours.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
**Response:**  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Hazardous components which must be listed on the label:

reaction mixture of ethylbenzene, m-xylene and p-xylene  
acetone  
n-butyl acetate

#### Additional Labelling

EUH208 Contains mixture of benzotriazole, mixture of sterically composed sebacates.  
May produce an allergic reaction.

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N

### 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
reaction mixture of ethylbenzene, m-xylene and p-xylene	- 905-562-9 01-2119555267-33, 01-2119488216-32	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 Aquatic Chronic 3; H412	>= 30 - < 50
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 10 - < 20
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
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-	104810-48-2 400-830-7 607-176-00-3 01-0000015075-76	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 0.25 - < 1

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N

butyl-4-hydroxyphenyl)propionyl- ω-3-(3-(2H-benzotriazol-2-yl)-5- tert-butyl-4- hydroxy- phe- nyl)propionyloxypoly(oxyethylene)			
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	$\geq 0.25 - < 1$

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

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Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
3.0	24.06.2026	MAT000400264IE/E N	Date of first issue: 04.07.2024

May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (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.  
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.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

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Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
3.0	24.06.2026	MAT000400264IE/E N	Date of first issue: 04.07.2024

---

### 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 ab-  
sorbent material, (e.g. sand, earth, diatomaceous earth, ver-  
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.

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## 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 ap-  
plication area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Container may be opened only under exhaust ventilation  
hood.  
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). Use only  
explosion-proof equipment. 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 : No smoking. Keep container tightly closed in a dry and well-

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Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

areas and containers      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
reaction mixture of ethylbenzene, m-xylene and p-xylene	1330-20-7	OELV - 8 hrs (TWA)	50 ppm 221 mg/m <sup>3</sup>	IE OEL
		Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body		
		OELV - 15 min (STEL)	100 ppm 442 mg/m <sup>3</sup>	IE OEL
		Further information: Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body		
		TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
		Further information: Identifies the possibility of significant uptake through the skin, Indicative		
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
		Further information: Identifies the possibility of significant uptake through the skin, Indicative		
acetone	67-64-1	TWA	500 ppm 1,210 mg/m <sup>3</sup>	2000/39/EC
		Further information: Indicative		
		OELV - 8 hrs (TWA)	500 ppm 1,210 mg/m <sup>3</sup>	IE OEL
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m <sup>3</sup>	2019/1831/E U
		Further information: Indicative		
		TWA	50 ppm 241 mg/m <sup>3</sup>	2019/1831/E U

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Commission Regulation (EU) 2020/878



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Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
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N

Further information: Indicative				
		OELV - 8 hrs (TWA)	50 ppm 241 mg/m <sup>3</sup>	IE OEL
		OELV - 15 min (STEL)	150 ppm 723 mg/m <sup>3</sup>	IE OEL

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

Substance name	End Use	Exposure routes	Potential health effects	Value	
reaction mixture of ethylbenzene, m-xylene and p-xylene	Workers	Inhalation	Long-term systemic effects	77 mg/m <sup>3</sup>	
	Consumers	Inhalation	Long-term local effects	65.3 mg/m <sup>3</sup>	
	Workers	Inhalation	Acute systemic effects	442 mg/m <sup>3</sup>	
	Workers	Inhalation	Acute local effects	289 mg/m <sup>3</sup>	
	Consumers	Inhalation	Acute systemic effects	260 mg/m <sup>3</sup>	
	Workers	Inhalation	Long-term local effects	221 mg/m <sup>3</sup>	
	Consumers	Inhalation	Long-term systemic effects	14.8 mg/m <sup>3</sup>	
	Consumers	Inhalation	Acute local effects	260 mg/m <sup>3</sup>	
	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	
	acetone	Consumers	Inhalation	Long-term systemic effects	200 mg/m <sup>3</sup>
		Workers	Inhalation	Acute local effects	2420 mg/m <sup>3</sup>
		Workers	Inhalation	Long-term systemic effects	1210 mg/m <sup>3</sup>
Consumers		Oral	Long-term systemic effects	62 mg/kg	
Consumers		Dermal	Long-term systemic effects	62 mg/kg	
Workers		Dermal	Long-term systemic effects	186 mg/kg	
n-butyl acetate		Workers	Inhalation	Acute systemic effects	600 mg/m <sup>3</sup>
		Workers	Inhalation	Acute local effects	600 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	48 mg/m <sup>3</sup>	
	Workers	Inhalation	Long-term local effects	300 mg/m <sup>3</sup>	
	Consumers	Inhalation	Acute systemic effects	300 mg/m <sup>3</sup>	
Consumers	Inhalation	Acute local effects	300 mg/m <sup>3</sup>		

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Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

	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

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

Substance name	Environmental Compartment	Value
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
acetone	Soil	29.5 mg/kg
	Marine water	1.06 mg/l
	Fresh water	10.6 mg/l
	Marine sediment	3.04 mg/l
	Fresh water sediment	30.4 mg/l
	Sewage treatment plant	100 mg/l
n-butyl acetate	Soil	0.0903 mg/kg dry weight (d.w.)
	Marine water	0.018 mg/l
	Fresh water	0.18 mg/l
	Marine sediment	0.0981 mg/kg dry weight (d.w.)
	Fresh water sediment	0.981 mg/kg dry weight (d.w.)
	Sewage treatment plant	35.6 mg/l
Intermittent use/release	0.36 mg/l	

### 8.2 Exposure controls

#### Individual protection measures, such as personal protective equipment (PPE)

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

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Commission Regulation (EU) 2020/878



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
3.0	24.06.2026	MAT000400264IE/E N	Date of first issue: 04.07.2024

---

Hand protection	Tightly fitting safety goggles
Gloves	: 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 137
Filter type	: Self-contained breathing apparatus

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### SECTION 9: Physical and chemical properties

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

Physical state	: liquid
Form	: liquid
Colour	: colourless
Odour	: solvent-like
Odour Threshold	: No data available
Melting point/freezing point	: -94.7 °C (calculation method (principal components, lowest value))
Boiling point/boiling range	: 56 °C (calculation method (principal components, lowest value))
Flammability	: Static-accumulating flammable liquid., Combustible Solids
Upper explosion limit / Upper flammability limit	: 13 %(V) (calculation method (principal components, highest value))
Lower explosion limit / Lower flammability limit	: 1.1 %(V) (calculation method (principal components, highest value))

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Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

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Flash point : -18 °C

Ignition temperature : 465 - 525 °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 : 22 - 27 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: 2.77 - 3.15 (calculation method (principal components, highest value))

Vapour pressure : 233 hPa (calculation method (principal components, highest value))  
(20 °C)

Relative density : 0.95 (calculation method (principal components, highest value))

Density : 0.944 g/cm<sup>3</sup>

Relative vapour density : 2 (calculation method (principal components, lowest value))  
(Air = 1.0)

### 9.2 Other information

Explosives : Not applicable

Oxidizing properties : Sustains combustion

VOC : (Directive 2004/42/EC)

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Commission Regulation (EU) 2020/878



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Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E N      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024

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

No hazardous decomposition products are known.

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

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method

##### Components:

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

Acute oral toxicity : LD50 Oral (Rat):  $\geq$  8,700 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27.14 mg/l  
Test atmosphere: vapour

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N

---

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

### **acetone:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

### **n-butyl acetate:**

Acute oral toxicity : LD50 Oral (Rat): >= 10,760 mg/kg

Acute dermal toxicity : LD50 (Rabbit): >= 5,000 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.  
Causes skin irritation.

### **Product:**

Remarks : May cause skin irritation and/or dermatitis.

### **Components:**

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

Result : irritating

### **Serious eye damage/eye irritation**

Causes serious eye irritation.  
Causes serious eye irritation.

### **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

### **acetone:**

Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

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Commission Regulation (EU) 2020/878



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N

---

### **Skin sensitisation**

Not classified due to lack of data.

### **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.

### **Germ cell mutagenicity**

Not classified based on available information.

Not classified due to lack of data.

### **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.

### **STOT - single exposure**

May cause respiratory irritation.

May cause drowsiness or dizziness.

May cause respiratory irritation.

May cause drowsiness or dizziness.

### **Components:**

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

Assessment : May cause respiratory irritation.

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E  
Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

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### **acetone:**

Assessment : May cause drowsiness or dizziness.

### **n-butyl acetate:**

Assessment : May cause drowsiness or dizziness.

### **STOT - repeated exposure**

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

### **Components:**

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

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

### **Aspiration hazard**

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

### **Components:**

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

May be fatal if swallowed and enters airways.

## 11.2 Information on other hazards

### **Endocrine disrupting properties**

Not classified due to lack of data.

### **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 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E N      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

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

- Toxicity to fish : LC50 (Fish):  $\geq 1 - 10$  mg/l
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $\geq 1 - 10$  mg/l
- Toxicity to algae/aquatic plants : ErC50 (Desmodesmus subspicatus (green algae)): 91.2 mg/l  
Exposure time: 72 h
- Toxicity to microorganisms : EC50 (Bacteria):  $\geq 1 - 100$  mg/l

##### **Ecotoxicology Assessment**

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

##### **acetone:**

- Toxicity to fish : LC50 (Fish):  $> 1,000$  mg/l
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $> 1,000$  mg/l
- Toxicity to microorganisms : EC50 (Bacteria):  $> 1,000$  mg/l

##### **n-butyl acetate:**

- Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)):  $> 200$  mg/l  
EC50 (Desmodesmus subspicatus (green algae)):  $\geq 647.7$  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.

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E N      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024

---

### 12.2 Persistence and degradability

#### Components:

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

Biodegradability : Readily biodegradable.  
Photodegradation : Decomposes rapidly in contact with light.

##### **n-butyl acetate:**

Biodegradability : Result: Biodegradable  
Biodegradation: 83 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D  
Stability in water : Degradation half life: 78 d  
pH: 8  
Hydrolyses slowly.  
Photodegradation : Decomposes rapidly in contact with light.

### 12.3 Bioaccumulative potential

#### Components:

##### **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

##### **acetone:**

Partition coefficient: n-octanol/water : log Pow: -0.24

##### **n-butyl acetate:**

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

Partition coefficient: n-octanol/water : log Pow: 1.81

##### **mixture of sterically composed sebacates:**

Partition coefficient: n-octanol/water : log Pow: 2.37 - 2.77  
pH: 7

### 12.4 Mobility in soil

#### Components:

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

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
3.0	24.06.2026	MAT000400264IE/E N	Date of first issue: 04.07.2024

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)

### 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.  
Harmful to aquatic life with long lasting effects.

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## 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

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

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  
HP4, Irritant - skin irritation and eye damage  
HP5, Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

### 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  
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

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

---

### ADN

Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3

### ADR

Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3  
Tunnel restriction code : (D/E)

### RID

Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33  
Labels : 3

### IMDG

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

### IATA (Cargo)

Packing instruction (cargo aircraft) : 364  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 353  
Packing instruction (LQ) : Y341  
Packing group : II  
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

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E N      Date of last issue: 17.10.2024      Date of first issue: 04.07.2024

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 3

Number on list 40  
This substance/mixture shall not be used in aerosol dispensers intended for supply to the general public for entertainment and decorative purposes.

Number on list 75  
If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

Regulation (EU) No 2024/590 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 and the Council concerning the export and import of dangerous chemicals : Not applicable

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

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. acetone (ANNEX II)

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

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

---

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.

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.

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## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H304 : May be fatal if swallowed and enters airways.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
H361f : Suspected of damaging fertility.  
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  
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  
2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 3.0      Revision Date: 24.06.2026      SDS Number: MAT000400264IE/E      Date of last issue: 17.10.2024  
Date of first issue: 04.07.2024  
N

IE OEL : fifth list of indicative occupational exposure limit values  
: Ireland. List of Chemical Agents and Carcinogens with Occupational Exposure Limit Values - Code of Practice, Schedule 1 and 2

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  
IE OEL / OELV - 8 hrs (TWA) : Occupational exposure limit value (8-hour reference period)  
IE OEL / OELV - 15 min (STEL) : Occupational exposure limit value (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; 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 Harmonised 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 Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; 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 - Organisation 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

#### Classification of the mixture:

Flam. Liq. 2      H225  
Skin Irrit. 2      H315  
Eye Irrit. 2      H319

#### Classification procedure:

Based on product data or assessment  
Calculation method  
Calculation method

# SAFETY DATA SHEET

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



## MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
3.0	24.06.2026	MAT000400264IE/E N	Date of first issue: 04.07.2024

---

STOT SE 3	H336	Calculation method
STOT SE 3	H335	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 3	H412	Calculation method

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