

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264	Date of first issue: 19.07.2023
		AM / EN	

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Identification of chemical products****Name**

Technical	Coatings and paints, thinners, paint removers.MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH
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Product code	40026401
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Chemical (according to IUPAC)	No data available
Commercial	MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Synonyms

The complete designation of a standardization document or an information-technical document

MAT000400264

Identification codes of products in accordance with the laws of the state

OKPD2-code

VNTED code (HS Code)

Recommended use of the chemical and restrictions on use

Recommended use	Coatings and paints, thinners, paint removers
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Restrictions on use	Reserved for industrial and professional use.
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Details of the supplier of the safety data sheet

Company	: KANSAI HELIOS Slovenija d.o.o. Količevo 65 Domžale 1230 Slovenia
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Telephone	: 386 (1) 722 4383
Telefax	: 386 (1) 722 4310
E-mail address Responsible/issuing person	: 386 (1) 722 4383 productsafety@kansai-helios.si

Emergency telephone number

Ambulance: 103 (General: 112 or 911)

Access code: 13586 +1 760 476 3962

2. HAZARDS IDENTIFICATION**2.1 Hazard level of chemical products in general [data on the hazard classification as set forth in GOST 12.1.007 and GHS (GOST 32419, GOST 32423, GOST 32424, GOST 32425)].**

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

Classification according to GOST
12.1.007-76

GHS Classification

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

Additional hazards not stipulated in
GOST 32419

None known.

2.2 Data on safety marking as per GOST 31340

Signal word Danger

Hazard symbols (signs)



Hazard statements (H-phrases)

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.
None known.

Precautionary statements
(P-phrases)

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.

Additional information

3. COMPOSITION/INFORMATION ON INGREDIENTS

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 2.1 Revision Date: 24.06.2026 SDS Number: MAT000400264 AM / EN Date of last issue: 17.10.2024 Date of first issue: 19.07.2023

3.1 Data on the product as a whole

Chemical name (according to IUPAC nomenclature), if applicable

Chemical formula, if applicable

General characteristic of the composition (with account of the product range of a specific grade; production method) No data available

CAS-No. Not Assigned

3.2 Components

Chemical name	CAS-No.	EC-No.	Concentration (% w/w)	MAC value mg/m3 / TSEL value	Hazard class
reaction mixture of ethylbenzene, m-xylene and p-xylene	-	905-562-9	>= 30 - < 50	TWA: 50 ppm 221 mg/m3 Data Source: 2000/39/EC STEL: 100 ppm 442 mg/m3 Data Source: 2000/39/EC TWA: 50 ppm 221 mg/m3 Identifies the possibility of significant uptake through the skin, Indicative Data Source: 2000/39/EC STEL: 100 ppm 442 mg/m3 Identifies the possibil-	Identifies the possibility of significant uptake through the skin, Indicative Identifies the possibility of significant uptake through the skin, Indicative

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version
2.1Revision Date:
24.06.2026SDS Number:
MAT000400264
AM / ENDate of last issue: 17.10.2024
Date of first issue: 19.07.2023

				ity of significant uptake through the skin, Indicative Data Source: 2000/39/EC	
acetone	67-64-1	200-662-2	>= 10 - < 20	TWA: 500 ppm 1.210 mg/m3 Data Source: 2000/39/EC TWA: 500 ppm 1.210 mg/m3 Indicative Data Source: 2000/39/EC	Indicative
n-butyl acetate	123-86-4	204-658-1	>= 1 - < 10	STEL: 150 ppm 723 mg/m3 Data Source: 2019/1831/EU TWA: 50 ppm 241 mg/m3 Data Source: 2019/1831/EU STEL: 150 ppm 723 mg/m3 Indicative Data Source: 2019/1831/EU TWA: 50 ppm 241 mg/m3 Indicative	Indicative Indicative

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version 2.1 Revision Date: 24.06.2026 SDS Number: MAT000400264 AM / EN Date of last issue: 17.10.2024 Date of first issue: 19.07.2023

				Data Source: 2019/1831/ EU	
mixture of benzotriazole	104810-48-2	400-830-7	>= 0,25 - < 1	No data available	
mixture of sterically composed sebacates	1065336-91-5	915-687-0	>= 0,25 - < 1	No data available	

4. FIRST AID MEASURES**4.1 Symptoms observed**

In case of poisoning via inhalation

In case of contact with skin

In case of contact with eyes

In case of poisoning via ingestion (if swallowed)

4.2 First aid measures for injured persons

In case of poisoning via inhalation Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.

In case of contact with skin If on skin, rinse well with water.
If on clothes, remove clothes.

In case of contact with eyes 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.

In case of poisoning via ingestion (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.

Contraindications

Additional information

General advice Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

Hazards

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

6. ACCIDENTAL RELEASE MEASURES**6.1 Measures to prevent harmful effects on people, environment, buildings, constructions and others in case of an accident and emergency**

General actions required to be taken in accidents and emergencies

Personal protective equipment in emergency situations (PPE of emergency teams)

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

6.2 Procedure of actions for liquidation of accidents and emergencies

Actions in case of leaks, spills, spread (including the response measures and environmental precautions)

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).
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.

7. HANDLING AND STORAGE**7.1 Safety measures for handling of the chemical product**

Systems of engineering safety measures (including the organization of local and general ventilation, requirements for electrical equipment, measures to eliminate static electricity)

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

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

Use only explosion-proof equipment.
Keep away from open flames, hot surfaces and sources of ignition.

Environmental protection measures

Guidelines for safe transfer and transportation

7.2 Storage rules of chemical products

Storage terms and conditions (including the substances and materials being incompatible during storage)

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.
Storage stability:
Remarks: No decomposition if stored and applied as directed.

Packaging (including the materials from which it is made)

Safety measures and storage rules in household use

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Working zone parameters which need to be monitored in a mandatory manner (TLVs or SRLI in the working zone air), in accordance with the requirements of the country(ies) in the market of which the products are in circulation

Components with workplace control parameters

8.3 Personal protective equipment for the personnel

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Self-contained breathing apparatus

Special protective clothes : Impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection means

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (including the state of aggregation)	: liquid liquid
Colour	: colourless
Odour	: solvent-like
Odour Threshold	: No data available
Melting point/freezing point	: -94,7 °C(calculation method (principal components, lowest value))
Initial boiling point/boiling point/boiling range	: 56 °C(calculation method (principal components, lowest value))
Decomposition point	: 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	
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))
Vapor pressure	: 233 hPa(calculation method (principal components, highest value)) (20 °C)

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

Density and / or relative density	:	0,944 g/cm ³
Relative density	:	0,95 (calculation method (principal components, highest value))
Relative vapour density	:	2(calculation method (principal components, highest value)) (Air = 1.0)
Additional information		
Flow time	:	22 - 27 s (20 °C) Cross section: 4 mm Method: DIN 53211
Explosive properties	:	Not applicable
Oxidizing properties	:	Sustains combustion
VOC	:	(Directive 2004/42/EC) 540 g/l

10. STABILITY AND REACTIVITY

10.1 Chemical stability (indicate dangerous decomposition products for unstable products)	:	No decomposition if stored and applied as directed. No hazardous decomposition products are known.
10.2 Reactivity	:	No decomposition if stored and applied as directed.
10.3 Conditions to be avoided (including hazardous manifestations in contact with incompatible substances and materials)	:	Heat, flames and sparks. Incompatible materials: Incompatible with strong acids and bases. Possibility of hazardous reactions: No decomposition if stored and applied as directed. Vapours may form explosive mixture with air.

11. TOXICOLOGICAL INFORMATION

11.1 General characteristic of exposure (hazard level (toxicity) assessment on the body and the most characteristic manifestations of hazard)

11.2 Routes of exposure (inhalation, ingestion, skin and eye contact)	No data available
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MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

11.3 Target organs, tissues and systems of a human body No data available

11.4 Data on health hazards in case of direct contact with products, as well as consequences of such an impact (irritating action on the upper respiratory tract, eyes, skin; skin-resorptive and sensitizing action)

Skin corrosion/irritation**Product:**

Remarks : May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation**Product:**

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

Respiratory or skin sensitisation**Product:**

Remarks : Causes sensitisation.

11.5 Data on hazardous long-term effects of products exposure to an organism (impact on the reproductive system, carcinogenicity, mutagenicity, cumulativity and other chronic effects)

11.6 Acute toxicity indices [LD50, exposure route (intragastrically, epidermally), animal species; LC50, exposure time (h), animal species]

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.

12. ECOLOGICAL INFORMATION

12.1 General characteristic of the impact on environmental objects (atmospheric air, water bodies, soils, including observed signs of impact)

12.2 Routes of environmental impact

12.3 Most important characteristics of environmental impact

Ecotoxicity indices [LC, EC, NOEC and others for fish (96 h), daphnia (48 h), algae (72 or 96 h) and others]

No data available

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

Migration and transformation in the environment due to biodegradation and other processes (oxidation, hydrolysis, etc.)

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

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.

Endocrine disrupting properties

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Safety measures for handling the wastes to be generated in the use, storage, transportation**

Waste handling measures are similar to those provided for the handling of the basic product (see Sections 7, 8)

13.2 Data on the places and methods of neutralization, disposal, burial or destruction of product wastes, including packaging

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.
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.

13.3 Guidelines for the disposal of wastes to be generated in the household use of products**14. TRANSPORT INFORMATION****14.1 UN number**

UNRTDG: UN 1263
IMDG: UN 1263
IATA: UN 1263

14.2 Proper shipping and transport names

UNRTDG: PAINT
IMDG: PAINT
IATA: Paint

14.3 Applicable modes of transport

The product is transported by all means of transport in accordance with the cargo transportation rules that are valid for this means of transport

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

14.4 Hazard classification of goods as per GOST 19433 No information available.

14.5 Hazard classification of goods (including the group of packing)

UNRTDG

Class: 3
Packing group: II
Labels: 3

IMDG

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

IATA (Cargo)

Class: 3
Packing instruction (cargo aircraft): 364
Packing instruction (LQ): Y341
Packing group: II
Labels: Flammable Liquids

IATA (Passenger)

Class: 3
Packing instruction (passenger aircraft): 353
Packing instruction (LQ): Y341
Packing group: II
Labels: Flammable Liquids

15. REGULATORY INFORMATION

15.1 National laws

No information available.

Data on the documentation regulating the requirements for the health and environmental protection

No information available.

15.2 International conventions and agreements (whether the product is regulated by the Montreal Protocol, Stockholm Convention, etc.)

16. OTHER INFORMATION

16.1 Data on the SDS edition (re-edition) (where the following is indicated: "SDS was developed for the first time" or "SDS was re-edited. Previous identification data of the SDS ...")

Revision Date:	SDS Number:	Date of last issue: 17.10.2024
24.06.2026	MAT000400264	Date of first issue: 19.07.2023

MOBIHEL 2:1 CLEARCOAT V5 ANTI SCRATCH

Version	Revision Date:	SDS Number:	Date of last issue: 17.10.2024
2.1	24.06.2026	MAT000400264 AM / EN	Date of first issue: 19.07.2023

16.2 List of data sources used for compiling the safety data sheet**Full text of other abbreviations**

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; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); 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; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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.