

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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 Base MIX

Chemical (according to IUPAC) No data available
Commercial MOBIHEL Base MIX

Synonyms

The complete designation of a standardization document or an information-technical document
MAT0GA05_007

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

Restrictions on use Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company : KANSAI HELIOS Slovenija d.o.o.
Količevo 65
Domžale 1230
Slovenia

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

Access code: 13586 +1 760 476 3960

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)].**

Classification according to GOST

12.1.007-76

GHS Classification Flammable liquids, Category 3
Acute toxicity (Oral), Category 5
Acute toxicity (Dermal), Category 5
Skin irritation, Category 2

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Serious eye damage, Category 1
 Skin sensitisation, Category 1
 Carcinogenicity, Category 1B
 Reproductive toxicity, Category 2
 Specific target organ toxicity - single exposure, Category 3
 (Central nervous system)

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)

H226 Flammable liquid and vapour.
 H303 + H313 May be harmful if swallowed or in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H336 May cause drowsiness or dizziness.
 H350 May cause cancer.
 H361 Suspected of damaging fertility or the unborn child.

Precautionary statements (P-phrases)

Prevention:

P201 Obtain special instructions before use.
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
 P312 Call a POISON CENTER/ doctor if you feel unwell.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Data on the product as a whole**

Chemical name (according to IUPAC nomenclature), if applicable

Chemical formula, if applicable

SAFETY DATA SHEET



MOBIHEL Base MIX

Version 1.1 Revision Date: 24.06.2026 SDS Number: MAT0GA05_007
Date of last issue: 28.11.2023
Date of first issue: 28.11.2023
GE / EN

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
n-butyl acetate	123-86-4	204-658-1	>= 30 - < 50	MPC-TWA: 50 mg/m3 Data Source: RU OEL MPC-STEL: 200 mg/m3 Data Source: RU OEL	Class 4 - Low hazard Class 4 - Low hazard
butan-1-ol	71-36-3	200-751-6	>= 3 - < 10	MPC-TWA: 10 mg/m3 Data Source: RU OEL MPC-STEL: 30 mg/m3 Data Source: RU	Class 3 - Moderately dangerous Class 3 - Moderately dangerous

SAFETY DATA SHEET



MOBIHEL Base MIX

Version 1.1 Revision Date: 24.06.2026 SDS Number: MAT0GA05_007 GE / EN Date of last issue: 28.11.2023 Date of first issue: 28.11.2023

				OEL	
cellulose acetate butyrate	9004-36-8	618-381-2	>= 1 - < 10	MPC-STEL: 10 mg/m ³ Data Source: RU OEL	Class 4 - Low hazard
butyl glycolate	7397-62-8	230-991-7	>= 3 - < 10	No data available	
reaction mixture of ethylbenzene, m-xylene and p-xylene	-	905-562-9	>= 1 - < 10	MPC-TWA: 50 mg/m ³ Data Source: RU OEL MPC-STEL: 150 mg/m ³ Data Source: RU OEL	Class 3 - Moderately dangerous Class 3 - Moderately dangerous
2-butoxyethyl acetate	112-07-2	203-933-3	>= 2,5 - < 10	No data available	
hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics	64742-49-0	Not Assigned	>= 2,5 - < 10	No data available	
(2-Methoxymethylethoxy)propanol	34590-94-8	252-104-2	>= 1 - < 10	No data available	
2-methylpropan-1-ol	78-83-1	201-148-0	>= 1 - < 3	MPC-STEL: 10 mg/m ³ Data Source: RU OEL	Class 3 - Moderately dangerous
Fatty acids, C14-18 and C16-18-unsatd., maleated	85711-46-2	288-306-2	>= 0,1 - < 1	No data available	
formaldehyde	50-00-0	200-001-8	>= 0,1 - < 1	MPC-STEL: 0,5 mg/m ³ Data Source: RU OEL	Class 2 - Highly dangerous, Allergens, Substances which require special skin and eye protection

4. FIRST AID MEASURES

4.1 Symptoms observed

In case of poisoning via inhalation

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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 skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.

In case of contact with eyes Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
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 induce vomiting.
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.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

Hazards May be harmful if swallowed or in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
May cause drowsiness or dizziness.
May cause cancer.
Suspected of damaging fertility or the unborn child.

Treatment Treat symptomatically.

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

5. FIREFIGHTING MEASURES**5.1 General characteristic of fire and explosion hazard (as per GOST 12.1.044)****5.2 Fire and explosion hazard indices of chemical products (range of indices as per GOST 12.1.044)**

Flash point	:	26 °C Method: ISO 3679, closed cup
Ignition temperature	:	343 °C
Upper explosion limit / Upper flammability limit	:	11,3 %(V)
Lower explosion limit / Lower flammability limit	:	1,2 %(V)
Flammability (solid, gas)	:	Static-accumulating flammable liquid.
Auto-ignition temperature	:	343 °C

5.3 Products of combustion and/or thermal destruction and the hazard they cause

No hazardous combustion products are known
Do not allow run-off from fire fighting to enter drains or water courses.

5.4 Recommended fire-extinguishing means

Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

5.5 Prohibited fire-extinguishing means

High volume water jet

5.6 Actions in case of fire

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.

5.7 Fire-extinguishing specifics

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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.
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.
Open drum carefully as content may be under pressure.
To avoid spills during handling keep bottle on a metal tray.
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).
Keep away from open flames, hot surfaces and sources of igni-

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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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

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
n-butyl acetate	123-86-4	MPC-TWA (vapour and/or gas)	50 mg/m ³	RU OEL
	Further information: Class 4 - Low hazard			
		MPC-STEEL (vapour and/or gas)	200 mg/m ³	RU OEL
	Further information: Class 4 - Low hazard			
		STEEL	150 ppm 723 mg/m ³	2019/1831/E U
		TWA	50 ppm 241 mg/m ³	2019/1831/E U
butan-1-ol	71-36-3	MPC-TWA (vapour and/or gas)	10 mg/m ³	RU OEL
	Further information: Class 3 - Moderately dangerous			
		MPC-STEEL	30 mg/m ³	RU OEL

MOBIHEL Base MIX

Version 1.1 Revision Date: 24.06.2026 SDS Number: MAT0GA05_007
 Date of last issue: 28.11.2023
 Date of first issue: 28.11.2023
 GE / EN

		(vapour and/or gas)		
	Further information: Class 3 - Moderately dangerous			
cellulose acetate butyrate	9004-36-8	MPC-STEL (aerosol)	10 mg/m ³	RU OEL
	Further information: Class 4 - Low hazard			
reaction mixture of ethylbenzene, m-xylene and p-xylene	1330-20-7	MPC-TWA (vapour and/or gas)	50 mg/m ³	RU OEL
	Further information: Class 3 - Moderately dangerous			
		MPC-STEL (vapour and/or gas)	150 mg/m ³	RU OEL
	Further information: Class 3 - Moderately dangerous			
		TWA	50 ppm 221 mg/m ³	2000/39/EC
		STEL	100 ppm 442 mg/m ³	2000/39/EC
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 mg/m ³	2000/39/EC
		STEL	50 ppm 333 mg/m ³	2000/39/EC
(2-Methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m ³	2000/39/EC
2-methylpropan-1-ol	78-83-1	MPC-STEL (vapour and/or gas)	10 mg/m ³	RU OEL
	Further information: Class 3 - Moderately dangerous			

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 : Combined particulates and organic vapour type

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.
 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.

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Eye protection means : Equipment should conform to EN 166
Eye wash bottle with pure water
Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (including the state of aggregation)	: liquid liquid
Colour	: Different colour shades
Odour	: solvent-like
Odour Threshold	: No data available
Melting point/freezing point	: -78,0 °C(calculation method (principal components, lowest value))
Initial boiling point/boiling point/boiling range	: 118 °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	: immiscible, partly soluble
Solubility in other solvents	: Description: miscible with most organic solvents
Partition coefficient: n-octanol/water	: log Pow: 1,81 (calculation method (principal components, highest value))
Vapor pressure	: < 1.100 hPa(calculation method (principal components, highest value)) (50 °C)
Density and / or relative density	: 0,915 - 1,145 g/cm ³

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Relative density	:	No data available
Relative vapour density	:	No data available
Additional information		
Flow time	:	80 - 90 s (20 °C) Cross section: 4 mm Method: DIN 53211
Explosive properties	:	Not applicable
Oxidizing properties	:	Sustains combustion

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)	May be harmful if swallowed or in contact with skin. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause drowsiness or dizziness. May cause cancer. Suspected of damaging fertility or the unborn child.
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11.2 Routes of exposure (inhalation, ingestion, skin and eye contact)	No data available
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11.3 Target organs, tissues and systems of a human body	No data available
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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

Causes skin irritation.

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Product:

Remarks : Extremely corrosive and destructive to tissue.

Components:**butan-1-ol:**

Result : irritating

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

Result : irritating

2-methylpropan-1-ol:

Result : irritating

Fatty acids, C14-18 and C16-18-unsatd., maleated:

Result : irritating

formaldehyde:

Result : Corrosive after 3 minutes to 1 hour of exposure

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks : May cause irreversible eye damage.

Components:**butan-1-ol:**

Result : Corrosive

butyl glycollate:

Result : Corrosive

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

Result : Eye irritation

2-methylpropan-1-ol:

Result : Corrosive

Respiratory or skin sensitisation**Skin sensitisation**

May cause an allergic skin reaction.

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks : Causes sensitisation.

Components:**Fatty acids, C14-18 and C16-18-unsatd., maleated:**

Result : Probability or evidence of skin sensitisation in humans

formaldehyde:

Result : Probability or evidence of skin sensitisation in humans

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)**Germ cell mutagenicity**

Not classified based on available information.

Components:**formaldehyde:**

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

Carcinogenicity

May cause cancer.

Components:**formaldehyde:**

Carcinogenicity - Assessment : Possible human carcinogen

Reproductive toxicity

Suspected of damaging fertility or the unborn child.

Components:**butyl glycollate:**

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

STOT - repeated exposure

Not classified based on available information.

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

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

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

11.6 Acute toxicity indices [LD50, exposure route (intra-gastrically, epidermally), animal species; LC50, exposure time (h), animal species]**Acute toxicity**

May be harmful if swallowed or in contact with skin.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 4.706 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: 3.732 mg/kg Method: Calculation method

Components:**n-butyl acetate:**

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

butan-1-ol:

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion. LD50 Oral (Rat): > 2.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Test atmosphere: vapour
Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg

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

2-butoxyethyl acetate:

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion. LD50 Oral (Rat): \geq 2.400 mg/kg
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MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Acute inhalation toxicity : LC50 (Rat): ≥ 50 mg/l
Exposure time: 2 h
Test atmosphere: vapour

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

LD50 (Rabbit): ≥ 1.500 mg/kg

(2-Methoxymethylethoxy)propanol:

Acute oral toxicity : Assessment: The substance or mixture has no acute oral toxicity

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : Assessment: The substance or mixture has no acute dermal toxicity

2-methylpropan-1-ol:

Acute oral toxicity : LD50 Oral (Rat): ≥ 2.460 mg/kg

Acute dermal toxicity : LD50 (Rabbit): ≥ 3.400 mg/kg

formaldehyde:

Acute oral toxicity : Assessment: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity : Test atmosphere: vapour
Assessment: The component/mixture is highly toxic after short term inhalation.

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

STOT - single exposure

May cause drowsiness or dizziness.

Components:**n-butyl acetate:**

Assessment : May cause drowsiness or dizziness.

butan-1-ol:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

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

Assessment : May cause respiratory irritation.

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:

Assessment : May cause drowsiness or dizziness.

2-methylpropan-1-ol:

Assessment : May cause drowsiness or dizziness.

Assessment : May cause respiratory irritation.

formaldehyde:

Assessment : May cause respiratory irritation.

Aspiration toxicity

Not classified based on available information.

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

May be fatal if swallowed and enters airways.

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:

May be fatal if swallowed and enters airways.

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**

Hygienic standards (Allowable concentration in air, water, including fishery waters, soil)

Components	Air	Water	Soil	Data Source
n-butyl acetate 123-86-4	MPC - maximum: 0,1 mg/m ³ Limiting health haz-	MPC: 0,3 Milligrams per cubed decimeter	No data available	List 1 List 4 List 5

SAFETY DATA SHEET



MOBIHEL Base MIX

Version 1.1 Revision Date: 24.06.2026 SDS Number: MAT0GA05_007 GE / EN Date of last issue: 28.11.2023 Date of first issue: 28.11.2023

	ard indicator: reflectory Hazard class: Class 4 - low hazard	Limiting health hazard indicator: sanitary and toxicological effects Hazard class: 4 MAC: 0,1 mg/l Limiting health hazard indicator: general sanitary Hazard class: Class 4 - low hazard		
butan-1-ol 71-36-3	MPC - maximum: 0,1 mg/m ³ Limiting health hazard indicator: reflectory Hazard class: Class 3 - moderately dangerous	MPC: 0,03 Milligrams per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 3 MPC: 0,5 Milligrams per cubed decimeter Limiting health hazard indicator: sanitary and toxicological effects Hazard class: 4 MAC: 0,1 mg/l Limiting health hazard indicator: sanitary-toxicological Hazard class: Class 2 - highly dangerous	No data available	List 1 List 4 List 5
cellulose acetate butyrate 9004-36-8	TSEL: 0,15 mg/m ³	No data available	No data available	List 2
reaction mixture of ethylbenzene, m-xylene and p-xylene 1330-20-7	MPC - maximum: 0,2 mg/m ³ Limiting health hazard indicator: reflectory Hazard class: Class 3 - moderately dangerous MPC - average chronic: 0,1 mg/m ³ Limiting health hazard indicator: reflectory	MAC: 0,05 mg/l Limiting health hazard indicator: organoleptic; changes the smell of water Hazard class: Class 3 - moderately dangerous	MPC: 0,3 mg/kg Limiting health hazard indicator: Translocation	List 1 List 4 List 7

SAFETY DATA SHEET



MOBIHEL Base MIX

Version 1.1 Revision Date: 24.06.2026 SDS Number: MAT0GA05_007 GE / EN Date of last issue: 28.11.2023 Date of first issue: 28.11.2023

	tory Hazard class: Class 3 - moderately dangerous			
(2-Methoxymethylethoxy)propanol 34590-94-8	No data available	MPC: 1 Milligram per cubed decimeter Limiting health hazard indicator: sanitary and toxicological effects Hazard class: 3	No data available	List 5
2-methylpropan-1-ol 78-83-1	MPC - maximum: 0,1 mg/m ³ Limiting health hazard indicator: reflectory Hazard class: Class 4 - low hazard	MPC: 2,4 Milligram per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 4 MAC: 0,15 mg/l Limiting health hazard indicator: sanitary-toxicological Hazard class: Class 2 - highly dangerous	No data available	List 1 List 4 List 5
formaldehyde 50-00-0	MPC - average: 0,01 mg/m ³ Limiting health hazard indicator: Reflectory-resorptive Hazard class: Class 2 - highly dangerous MPC - maximum: 0,05 mg/m ³ Limiting health hazard indicator: Reflectory-resorptive Hazard class: Class 2 - highly dangerous MPC - average chronic: 0,003 mg/m ³ Limiting health hazard indicator: Reflectory-resorptive Hazard class: Class 2 - highly dangerous	MAC: 0,05 mg/l Limiting health hazard indicator: sanitary-toxicological Hazard class: Class 2 - highly dangerous MPC: 0,25 Milligram per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 4 MPC: 0,1 mg/l formaldehyde Limiting health hazard indicator: toxic Hazard class: 4	MPC: 7 mg/kg Limiting health hazard indicator: Air-migration	List 1 List 4 List 5 List 7

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

		MPC: 0,1 Milligrams per cubed decimeter Limiting health hazard indicator: toxic Hazard class: 3 MPC: 0,05 mg/l formalde- hyde Limiting health hazard indicator: toxic Hazard class: 3		
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For explanation of abbreviations see section 16.

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

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

butan-1-ol:

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

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

Toxicity to fish : LC50 (Fish): >= 1 - 10 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): >= 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): >= 1 - 100 mg/l

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Ecotoxicology Assessment

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

2-butoxyethyl acetate:

Toxicity to fish : LC50 (Fish): \geq 31 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): \geq 142,5 mg/l
Exposure time: 48 h

Toxicity to microorganisms : EC50 (Bacteria): \geq 2.800 mg/l

hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclic, <2% aromatics:**Ecotoxicology Assessment**

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

2-methylpropan-1-ol:

Toxicity to fish : LC50 (Fish): $>$ 100 mg/l
Exposure time: 96 h

Migration and transformation in the environment due to biodegradation and other processes (oxidation, hydrolysis, etc.)**Components:****n-butyl acetate:**

Biodegradability : Result: Biodegradable
Biodegradation: 83 %
Exposure time: 28 d
Method: OECD Test Guideline 301D

Stability in water : Degradation half life: 78 d pH: 8
Remarks: Hydrolyses slowly.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

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

Biodegradability : Remarks: Readily biodegradable.

Photodegradation : Remarks: Decomposes rapidly in contact with light.

2-butoxyethyl acetate:

Biodegradability : Result: Biodegradable

2-methylpropan-1-ol:

Biodegradability : Result: Biodegradable

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Bioaccumulative potential**Components:****n-butyl acetate:**

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

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

butan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 0,785

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

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

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

2-butoxyethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1,51

(2-Methoxymethylethoxy)propanol:

Partition coefficient: n-octanol/water : log Pow: -0,064

2-methylpropan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 0,79

formaldehyde:

Partition coefficient: n-octanol/water : log Pow: 0,35

Mobility in soil**Components:****reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Distribution among environmental compartments : Koc: 537, log Koc: 2,73
Remarks: Moderately mobile in soils
The product evaporates from soil.

Stability in soil : Dissipation time: 23 d
Percentage dissipation: 50 % (DT50)

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Other adverse effects**Product:**

Additional ecological information : No data available

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

Do not dispose of waste into sewer.
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

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: III
Labels: 3
IMDG
Class: 3
Packing group: III

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

Labels: 3
EmS Code: F-E, S-E

IATA (Cargo)

Class: 3
Packing instruction (cargo aircraft): 366
Packing instruction (LQ): Y344
Packing group: III
Labels: Flammable Liquids

IATA (Passenger)

Class: 3
Packing instruction (passenger aircraft): 355
Packing instruction (LQ): Y344
Packing group: III
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: 28.11.2023
24.06.2026	MAT0GA05_007	Date of first issue: 28.11.2023

16.2 List of data sources used for compiling the safety data sheet

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
Carc.	:	Carcinogenicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Muta.	:	Germ cell mutagenicity
Repr.	:	Reproductive toxicity
Skin Corr.	:	Skin corrosion

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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 fifth list of indicative occupational exposure limit values
RU OEL	:	SanPiN 1.2.3685-21 Table 2.1, Table 2.8, Table 2.16 & Table 2.17 Maximum permissible concentrations (MPC) in the air of the working area
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
RU OEL / MPC-STEL	:	Maximum Permissible Concentration - Short Term Exposure
RU OEL / MPC-TWA	:	Maximum Permissible Concentration - Time Weighted Average
List 1	:	SanPiN 1.2.3685-21 Table 1.1, Table 1.10, & Table 1.11 Maximum permissible concentration (MPC) in the air of urban and rural settlements
List 2	:	SanPiN 1.2.3685-21 Table 1.2, Table 1.12 & Table 1.13 Tentative Safe Exposure Levels (TSEL) in the air of urban and rural settlements
List 4	:	SanPiN 1.2.3685-21 Table 3.13, Table 3.15, Table 3.16 & Table 3.17 Maximum permissible concentrations (MPC) of chemicals in the water of drinking systems of centralized, including hot, and non-centralized water supply, water of underground and surface water bodies of domestic drinking and cultural and domestic water use, water of swimming pools, water parks
List 5	:	Order of the Russian Federal Fisheries Agency "Standards of maximum permissible concentrations of harmful substances in fishery water bodies"
List 7	:	SanPiN 1.2.3685-21 Table 4.1, Table 4.2, Table 4.7, Table 4.8, Table 4.9 & Table 4.10 Maximum allowable concentration (MPC) and approximate allowable concentration (APC) of chemicals in the soil

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 Or-

MOBIHEL Base MIX

Version	Revision Date:	SDS Number:	Date of last issue: 28.11.2023
1.1	24.06.2026	MAT0GA05_007 GE / EN	Date of first issue: 28.11.2023

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

Material codes (bulk) for which the SDS is valid

366923 , 366935, 366971, 376396, 400207, 400262, 401108, 401924, 401951, 401983, 402791, 416701, 418200, 418201, 418202, 418203, 418204, 418205, 418206, 418207, 418208, 418209, 418210, 418211, 418212, 418213, 418214, 418215, 418216, 418217, 418218, 418219, 418220, 418221, 418222, 418223, 418224, 418225, 418226, 418227, 418228, 418229, 418230, 418231, 418232, 418233, 418234, 418235, 418236, 418237, 418238, 418239, 418241, 418242, 418243, 418244, 418245, 418246, 418247, 418248, 418249, 418250, 418251, 418252, 418253, 418255, 418445, 418446, 418479, 418480, 418481, 418482, 418485, 418486, 418923, 418924, 419220, 419223, 419593, 419844, 419845, 419846, 419847, 419848, 419849, 478654, 478907, 478908, 478964, 478984, 479010, 479019, 479020, 480909, 481596, 481598

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