

**Trade name:** einzA Korral-Primer, weiß

**Product no.:** 7510136

**Current version:** 1.0.0, Revision: 28.01.2026

**Replaced version:** -, Revision: -

**Region:**  
GER

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

### 1.1 Product identifier

**Trade name**

**einzA Korral-Primer, weiß**

**UFI:**

**K1TC-P1GK-500D-PW4U**

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

**Relevant identified uses of the substance or mixture**

decorative paints/finishes

**Uses advised against**

No data available.

### 1.3 Details of the supplier of the safety data sheet

**Address**

einzA Farben GmbH & Co KG

Junkersstraße 13

30179 Hannover

Telephone no. +49 (0)511 67490-0

Fax no. +49 (0)511 67490-20

e-mail info@einza.com

**Information provided by / telephone**

In emergencies, the country-specific emergency number can be found in the corresponding country-specific safety data sheets.

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

+49 (0)40 0511 - 674 90-0

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aquatic Chronic 2; H411

Flam. Liq. 3; H226

**Classification information**

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)**

**Hazard pictograms**



GHS02



GHS09

**Signal word**

Warning

**Hazard statement(s)**

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H226 Flammable liquid and vapour.  
H411 Toxic to aquatic life with long lasting effects.

**Hazard statements (EU)**

EUH066 Repeated exposure may cause skin dryness or cracking.

**Precautionary statement(s)**

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P273 Avoid release to the environment.  
P370+P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.  
P391 Collect spillage.  
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

**UFI:**

K1TC-P1GK-500D-PW4U

**2.3 Other hazards**

The product does not contain any components > 0.1% that meet the criteria for PBT and vPvB according to Regulation (EC) No. 1907/2006, Annex XIII, or that have been included in the list compiled in accordance with Article 59(1). This product 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****3.1 Substances**

Not applicable. The product is not a substance.

**3.2 Mixtures****Hazardous ingredients**

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration %
1	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>		
	64742-48-9 919-857-5 649-327-00-6 01-2119463258-33	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 EUH066	>= 10,00 - < 25,00 wt%
2	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>		
	- 918-481-9 - 01-2119457273-39	Asp. Tox. 1; H304 EUH066	>= 10,00 - < 25,00 wt%
3	<b>barium sulfate, natural</b>		
	7727-43-7 231-784-4 - -	-	>= 10,00 - < 25,00 wt%
4	<b>Hydrocarbons, C9, aromatics</b>		<b>pls. refer to footnote (2)</b>
	64742-95-6 918-668-5 649-356-00-4 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 EUH066	< 5,00 wt%
5	<b>1-methoxy-2-propanol</b>		

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	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336	< 5,00	wt%
6	<b>zinc oxide</b>			
	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 2,50 - < 25,00	wt%

Full text of H- and EUH-phrases, if not already mentioned in section 2.2: see section 16.

(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	P	-	-	-
4	P	-	-	-
6	-	-	M = 1	M = 1

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

#### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

#### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.

#### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray

#### Unsuitable extinguishing media

water jet.

### 5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Toxic pyrolysis products; Exposure to decomposition products may cause a health hazard.

### 5.3 Advice for firefighters

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Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or water courses. Appropriate breathing apparatus may be required.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Exclude sources of ignition and ventilate the area. Avoid breathing vapours. Refer to protective measures listed in sections 7 and 8.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Do not allow to enter drains/watercourses/soil.

### 6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent - avoid use of solvents.

### 6.4 Reference to other sections

No data available.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Dry sanding, flame cutting and/or welding of the dry paint film may give rise to dust and/or hazardous fumes. Wet [sanding]/[flattening] should be used wherever possible. Avoid inhalation of dust from sanding. For personal protection see section 8.

#### General protective and hygiene measures

Avoid skin and eye contact. Do not eat or drink during work - no smoking. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### Advice on protection against fire and explosion

Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Electrical equipment should be protected to the appropriate standard. Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

Comply with legal health and safety regulations; Storage in accordance with the Ordinance on Industrial Safety and Health. Prevent unauthorised access. Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. No smoking.

#### Requirements for storage rooms and vessels

Always keep in containers of same material as the original one. Never use pressure to empty: container is not a pressure vessel. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Observe label precautions.

#### Incompatible products

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

#### Storage Class according TRGS 510

3 Flammable liquids

### 7.3 Specific end use(s)

No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>		<b>918-481-9</b>
	<b>TRGS 900</b>		
	Kohlenwasserstoffgemische, Verwendung als Lösemittel (Lösemittelkohlenwasserstoffe), additiv-frei: C9-C15 Aliphaten		
	WEL long-term (8-hr TWA reference period)	600	mg/m <sup>3</sup>
	Ceiling Limit	2 (II)	
2	<b>barium sulfate, natural</b>	<b>7727-43-7</b>	<b>231-784-4</b>
	<b>2006/15/EC</b>		
	Barium (soluble compounds as Ba)		
	WEL long-term (8-hr TWA reference period)	0,5	mg/m <sup>3</sup>
3	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
	<b>TRGS 900</b>		
	Kohlenwasserstoffgemische, Verwendung als Lösemittel (Lösemittelkohlenwasserstoffe), additiv-frei: C9-C15 Aromaten		
	WEL long-term (8-hr TWA reference period)	100	mg/m <sup>3</sup>
	Ceiling Limit	2 (II)	
4	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
	<b>TRGS 900</b>		
	1-Methoxy-2-propanol		
	WEL long-term (8-hr TWA reference period)	370	mg/m <sup>3</sup> 100 ml/m <sup>3</sup>
	Ceiling Limit	2(I)	
	Notes	Y	
	<b>2000/39/EC</b>		
	1-Methoxypropanol-2		
	WEL short-term (15 min reference period)	568	mg/m <sup>3</sup> 150 ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m <sup>3</sup> 100 ppm
	Skin resorption / sensibilisation	Skin	

#### Biological limit values

No	Substance name
1	<b>1-methoxy-2-propanol</b>
	<b>TRGS 903</b>
	1-Methoxypropan-2-ol
	parameter
	Value
	Comments
	sample material
	Sampling moment

	1-Methoxypropan-2-ol
	15 mg/l
	DFG
	U
	b

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b> <b>919-857-5</b>		
	dermal	Long term (chronic)	systemic	77 mg/kg/day
	inhalative	Long term (chronic)	systemic	871 mg/m <sup>3</sup>
2	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b> <b>918-668-5</b>		
	inhalative	Long term (chronic)	systemic	0,64 mg/m <sup>3</sup>

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	inhalative	Short term (acute)	systemic	1286,4	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	837,5	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	1066,67	mg/m <sup>3</sup>
3	<b>1-methoxy-2-propanol</b>			<b>107-98-2</b> <b>203-539-1</b>	
	dermal	Long term (chronic)	systemic	183	mg/kg/day
	inhalative	Long term (chronic)	systemic	369	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	553,5	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	553,5	mg/m <sup>3</sup>

### DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>			<b>64742-48-9</b> <b>919-857-5</b>	
	oral	Long term (chronic)	systemic	46	mg/kg/day
	dermal	Long term (chronic)	systemic	46	mg/kg/day
	inhalative	Long term (chronic)	systemic	185	mg/m <sup>3</sup>
2	<b>Hydrocarbons, C9, aromatics</b>			<b>64742-95-6</b> <b>918-668-5</b>	
	inhalative	Long term (chronic)	systemic	0,113	mg/m <sup>3</sup>
	inhalative	Short term (acute)	systemic	1,152	mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local	178,57	mg/m <sup>3</sup>
	inhalative	Short term (acute)	local	640	mg/m <sup>3</sup>
3	<b>1-methoxy-2-propanol</b>			<b>107-98-2</b> <b>203-539-1</b>	
	oral	Long term (chronic)	systemic	33	mg/kg/day
	dermal	Long term (chronic)	systemic	78	mg/kg/day
	inhalative	Long term (chronic)	systemic	43,9	mg/m <sup>3</sup>

### PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>1-methoxy-2-propanol</b>		<b>107-98-2</b> <b>203-539-1</b>	
	water	fresh water	10	mg/L
	water	marine water	1	mg/L
	water	Aqua intermittent	100	mg/L
	water	fresh water sediment	52,3	mg/kg
	with reference to: dry weight			
	water	marine water sediment	5,2	mg/kg
	with reference to: dry weight			
	soil	-	4,59	mg/kg
	with reference to: dry weight			
	sewage treatment plant	-	100	mg/L
2	<b>zinc oxide</b>		<b>1314-13-2</b> <b>215-222-5</b>	
	water	fresh water	17,9	µg/L
	with reference to: Zn			
	water	marine water	9	µg/L
	with reference to: Zn			
	water	fresh water sediment	182,8	mg/kg
	water	marine water sediment	201,9	mg/kg
	with reference to: Zn, dry weight			
	soil	-	103,4	mg/kg
	with reference to: Zn, dry weight			
	sewage treatment plant	-	124,5	µg/L

## 8.2 Exposure controls

**Appropriate engineering controls**

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Provide good ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

### Personal protective equipment

#### Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits. In case of brush application: Filter A2. When applied by spraying: Filter A2P2. (DIN EN 14387)

#### Eye / face protection

Wear safety goggles to protect against splashes. Safety glasses with side protection shield (EN 166)

#### Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Appropriate Material	In case of short-term contact / splash protection: nitrile rubber		
Material thickness	>	0,4	mm
Breakthrough time	>	120	min
Appropriate Material	In case of prolonged exposure: nitrile rubber		
Material thickness	>	0,4	mm
Breakthrough time	>	480	min

#### Other

Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.

#### Environmental exposure controls

Do not allow to enter drains or water courses.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
liquid	
<b>Form</b>	
liquid	
<b>Colour</b>	
according to product name	
<b>Odour</b>	
like solvents	
<b>pH value</b>	
reason for missing pH	substance/mixture is non-soluble (in water)
<b>Boiling point / boiling range</b>	
Value	> 120 °C
Reference substance	solvent mixture
<b>Melting point/freezing point</b>	
No data available	
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
Value	31 - 33 °C

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Method	closed cup		
<b>Ignition temperature</b>			
Value	>	200	°C
Reference substance	solvent mixture		
<b>Oxidising properties</b>			
Not applicable			
<b>Flammability</b>			
Not applicable			
<b>Lower explosion limit</b>			
Value	>	0,6	% vol
Reference substance	solvent mixture		
<b>Upper explosion limit</b>			
Value	<	7,5	% vol
Reference substance	solvent mixture		
<b>Vapour pressure</b>			
Value	<	100	hPa
Reference temperature		50	°C
Reference substance	solvent mixture		
<b>Relative vapour density</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value	1,39	-	1,45 g/cm <sup>3</sup>
Reference temperature		20	°C
Method	DIN 51757		
<b>Solubility in water</b>			
Comments	immiscible		
<b>Solubility</b>			
No data available			
<b>Partition coefficient n-octanol/water (log value)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	918-481-9
log Pow	3,17	-	7,22
Method	QSAR		
Source	ECHA		
2	1-methoxy-2-propanol	107-98-2	203-539-1
log Pow	<	1	
Reference temperature		20	°C
with reference to	pH: 6.8		
Method	OECD 117		
Source	ECHA		
<b>Kinematic viscosity</b>			
Value	34	-	35 sec
Reference temperature		20	°C
Method	DIN EN 2431 (6 mm)		
<b>Solvent separation test</b>			
Value	<	3	%
Reference temperature		20	°C
<b>Particle characteristics</b>			

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No data available

**9.2 Other information**

Other information

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended storage and handling conditions (See section 7).

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.4 Conditions to avoid**

Heat, naked flames and other ignition sources.

**10.5 Incompatible materials**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.6 Hazardous decomposition products**

None if stored, handled and transported properly. In case of fire: see section 5.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
2	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	918-481-9
LD50	>	15000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	1-methoxy-2-propanol	107-98-2	203-539-1
LD50		4016	mg/kg bodyweight
Species	rat		
Method	EC 440/2008, B.1		
Source	ECHA		
4	zinc oxide	1314-13-2	215-222-5
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		
Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LD50	>	2000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		

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Source	ECHA
<b>2</b>   1-methoxy-2-propanol	<b>107-98-2</b>   <b>203-539-1</b>
LD50	> 2000 mg/kg bodyweight
Species	rat
Method	440/2008/EC B.3.
Source	ECHA
<b>3</b>   zinc oxide	<b>1314-13-2</b>   <b>215-222-5</b>
LD50	> 2000 mg/kg bodyweight
Species	rat
Method	OECD 402
Source	ECHA

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
LC50	>	5,7	mg/l
Duration of exposure		4	h
State of aggregation	Dust/mist		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b>	<b>919-857-5</b>
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
<b>2</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
Species	rabbit		
Method	EC 440/2008, B.4		
Source	ECHA		
Evaluation	non-irritant		
<b>3</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Species	Human Skin Model		
Method	OECD 431		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b>	<b>919-857-5</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
<b>2</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
Species	rabbit		
Method	2004/73/EEC, B.5		
Source	ECHA		
Evaluation	non-irritant		
<b>3</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.

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<b>1</b>	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b>	<b>919-857-5</b>
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
<b>2</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
Route of exposure		Skin	
Species		guinea pig	
Method		440/2008/EC B.6	
Source		ECHA	
Evaluation		non-sensitizing	
<b>3</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Route of exposure		Skin	
Species		Guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Germ cell mutagenicity</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
Type of examination		in vitro gene mutation study in bacteria	
Species		S. typhimurium TA 1535, TA 1537, TA 98 and TA 100S. typhimurium TA 1535, TA 1537, TA 98, TA 100, TA 102	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		oral	
Type of examination		In vivo mammalian somatic cell study: cytogenicity / erythrocyte micronucleus	
Species		mouse	
Method		OECD 474	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>2</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Reproduction toxicity</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>Carcinogenicity</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>zinc oxide</b>	<b>1314-13-2</b>	<b>215-222-5</b>
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
<b>STOT - single exposure</b>			
No data available			
<b>STOT - repeated exposure</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
Route of exposure		oral	
NOAEL		>=	500 mg/kg bw/d

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Species	rat
Method	OECD 408
Source	ECHA
Evaluation/classification	Based on available data, the classification criteria are not met.

**Aspiration hazard**

No data available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Exposure to component solvents vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage. Ingestion may cause nausea, diarrhoea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**11.2 Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

No data available.

**SECTION 12: Ecological information****12.1 Toxicity**

<b>Toxicity to fish (acute)</b>			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
LL50	>	1000	mg/l
Duration of exposure		96	h
Species	Rainbow trout		
Method	OECD 203		
Source	ECHA		
2	Hydrocarbons, C9, aromatics	64742-95-6	918-668-5
LL50		10	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
3	1-methoxy-2-propanol	107-98-2	203-539-1
LC50	> 4600	- 10000	mg/l
Duration of exposure		96	h
Species	Leuciscus idus		
Method	DIN 38 412, part L15		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

**Toxicity to fish (chronic)**

No data available

**Toxicity to Daphnia (acute)**

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9	919-857-5
EL50	>	1000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		

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with reference to Method Source	WAF (water accommodated fractions) OECD 202 ECHA		
<b>2</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
EL50		4,5	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
<b>3</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
EC50	21100	- 25900	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	ESR-ES-15		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

<b>Toxicity to Daphnia (chronic)</b>
No data available

<b>Toxicity to algae (acute)</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b>	<b>919-857-5</b>
EL50	>	1000	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
with reference to	WAF (water accommodated fractions)		
Method	OECD 201		
Source	ECHA		
<b>2</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
EL50		3,1	mg/l
Duration of exposure		72	h
Species	Raphidocelis subcapitata		
Method	OECD 201		
Source	ECHA		

<b>Toxicity to algae (chronic)</b>
No data available

<b>Bacteria toxicity</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
EC50	>	99	mg/l
Duration of exposure		10	min
Species	activated sludge		
Method	OECD 209		
Source	ECHA		

**12.2 Persistence and degradability**

<b>Biodegradability</b>			
<b>No</b>	<b>Substance name</b>	<b>CAS no.</b>	<b>EC no.</b>
<b>1</b>	<b>Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>64742-48-9</b>	<b>919-857-5</b>
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
<b>2</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
Type	BSB		
Value		78	%
Duration		28	d
Method	OECD 301 F		
Source	ECHA		

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Evaluation	readily biodegradable		
<b>3</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
Type	aerobic biodegradation		
Value		96	%
Duration		28	day(s)
Method	OECD 301 E		
Source	ECHA		
Evaluation	readily biodegradable		

### 12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
log Pow		3,17	- 7,22
Method	QSAR		
Source	ECHA		
<b>2</b>	<b>1-methoxy-2-propanol</b>	<b>107-98-2</b>	<b>203-539-1</b>
log Pow		<	1
Reference temperature with reference to			20 °C
Method	pH: 6.8 OECD 117		
Source	ECHA		

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment			
No	Substance name	CAS no.	EC no.
<b>1</b>	<b>Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</b>	<b>-</b>	<b>918-481-9</b>
PBT assessment	The substance is not PBT.		
vPvB assessment	The substance is not vPvB.		
Source	ECHA		
<b>2</b>	<b>Hydrocarbons, C9, aromatics</b>	<b>64742-95-6</b>	<b>918-668-5</b>
PBT assessment	The substance is not PBT.		
vPvB assessment	The substance is not vPvB.		
Source	ECHA		

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

Other information
Do not allow to enter drains or water courses.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste code 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Allow paint/varnish to dry out completely in a well-ventilated area and dispose of in residual waste once completely solidified. Dispose of liquid or non-drying residues separately.

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

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**Packaging**

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer. Empty containers must be scrapped or reconditioned.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

ADR/RID/ADN	UN1263
IMDG	UN1263
ICAO-TI / IATA	UN1263

**14.2 UN proper shipping name**

ADR/RID/ADN	PAINT
IMDG	PAINT
ICAO-TI / IATA	Paint

**14.3 Transport hazard class(es)**

ADR/RID/ADN - Class	3
Label	3
Classification code	F1
Tunnel restriction code	D/E
Hazard identification no.	30
<b>IMDG - Class</b>	3
Label	3
<b>ICAO-TI / IATA - Class</b>	3
Label	3

**14.4 Packing group**

ADR/RID/ADN	III
IMDG	III
ICAO-TI / IATA	III

**14.5 Environmental hazards**

ADR/RID/ADN	Symbol "fish and tree"
IMDG	Symbol "fish and tree"
EmS	F-E+S-E

**14.6 Special precautions for user**

Transport within the user's premises: Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Maritime transport in bulk according to IMO instruments**

Not relevant

**SECTION 15: Regulatory information**

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

**EU regulations**

**Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**  
 According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

**REACH candidate list of substances of very high concern (SVHC) for authorisation**  
 According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

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GER**Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. No 3, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-methylpentane-2,4-diol	107-41-5	203-489-0	75
2	propylene carbonate	108-32-7	203-572-1	75
3	titanium dioxide	13463-67-7	236-675-5	75

**Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This product is subject to Part I of Annex I, risk category: E2, P5c

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

**Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)**

VOC content 32,12 %

**Directive 2004/42/CE on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products**

relevant VOC limit value as referred to in Annex II of Directive 2004/42/CE, Cat. : i, type: lb = 500 g/l

Max. VOC content (limit value) of the product in its ready for use condition = &lt; 500 g/l

**National regulations****Water Hazard Class (Germany)**

Class

2

Source

Classification according to AwSV (Regulation on facilities for handling substances that are hazardous to water).

**Other regulations**

GISCODE BSL30 Covering agents, solvent based, containing aromatic substances, labeled

**Other national regulations**

Adhere to national regulations for proper handling and use of hazardous materials. Use appropriate personal protective equipment. For example, TRGS (Technical Rules for Hazardous Substances) and the DGUV (German Social Accident Insurance) rules.

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out for this mixture.

**SECTION 16: Other information****Sources of key data used to compile the data sheet:**

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Classification information**

