

Trade name: Cabriodach-versiegelung**Product no.:** 234412**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Trade name

Cabriodach-versiegelung**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses of the substance or mixture**

Impregnation agent for convertible tops

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet**Address**

Koch-Chemie GmbH

Einsteinstr. 42

D-59423 Unna

Telephone no. +49-2303-9 86 70-0

Fax no. +49-2303-9 86 70-26

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

For information in the event of an emergency during transport:

+44 1865 407333

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification in accordance with Regulation (EC) No 1272/2008 (CLP)**

Aerosol 1; H222

Aquatic Chronic 3; H412

Eye Irrit. 2; H319

Skin Irrit. 2; H315

STOT SE 3; H336

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



GHS07

Signal word

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Danger

Hazardous component(s) to be indicated on label:

propan-2-ol

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statement(s)

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H412

Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211

Do not spray on an open flame or other ignition source.

P251

Do not pierce or burn, even after use.

P261

Avoid breathing vapours/spray.

P271

Use only outdoors or in a well-ventilated area.

P280

Wear protective gloves/eye protection/face protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312

Call a POISON CENTER/doctor if you feel unwell.

P405

Store locked up.

P410+P412

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P501

Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

Formation of an explosive mixture is quite possible without adequate ventilation. Harmful by inhalation. Spray only for a few seconds! Spray leather and textile products only outdoors and let them air well.

PBT assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.

vPvB assessment

According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

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	butane		
	106-97-8	Flam. Gas 1; H220	>= 25.00 - < 50.00 wt%

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	203-448-7 601-004-00-0 -	Press. Gas; H280		
2	propan-2-ol			
	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 10.00 - < 25.00	wt%
3	propane		pls. refer to footnote (1)	
	74-98-6 200-827-9 601-003-00-5 -	Flam. Gas 1; H220 Press. Gas compr.; H280	>= 10.00 - < 25.00	wt%
4	Hydrocarbons, C6, isoalkanes, <5% n-hexane			
	64742-49-0 931-254-9 - 01-2119484651-34	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411	>= 10.00 - < 25.00	wt%
5	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			
	- 927-510-4 - 01-2119475515-33	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336	>= 5.00 - < 10.00	wt%
6	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics			
	- 927-241-2 - 01-2119471843-32	Aquatic Chronic 3; H412 Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H336 EUH066	>= 5.00 - < 10.00	wt%
7	isobutane			
	75-28-5 200-857-2 601-004-00-0 -	Flam. Gas 1; H220 Press. Gas compr.; H280	< 5.00	wt%
8	n-butyl acetate			
	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	EUH066 Flam. Liq. 3; H226 STOT SE 3; H336	< 2.50	wt%
9	isopropyl acetate			
	108-21-4 203-561-1 607-024-00-6 -	EUH066 Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	< 2.50	wt%
10	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane			
	64742-49-0 926-605-8 - 01-2119486291-36	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 STOT SE 3; H336 EUH066	< 2.50	wt%
11	n-hexane			
	110-54-3 203-777-6 601-037-00-0 -	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Repr. 2; H361f***	< 2.50	wt%

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		Skin Irrit. 2; H315 STOT RE 2*; H373** STOT SE 3; H336		
12	cyclohexane			
	110-82-7 203-806-2 601-017-00-1 -	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Asp. Tox. 1; H304 Flam. Liq. 2; H225 Skin Irrit. 2; H315 STOT SE 3; H336	< 2.50	wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	C, U	-	-	-
9	C	-	-	-
11	-	STOT RE 2; H373: C >= 5%	-	-

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 case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Ensure supply of fresh air. Remove affected person from the immediate area. Irregular breathing/no breathing: artificial respiration. Take medical treatment.

After skin contact

In case of contact with skin wash off immediately with soap and water.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Seek medical assistance.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Call a doctor immediately. Never give anything by mouth to an unconscious person.

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

Poisonous symptoms can first be observed after several hours, therefore medical observation for at least 48 hours is necessary.

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Extinguishing powder; Alcohol-resistant foam; Carbon dioxide; Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

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Vapours can form a highly flammable mixture with air. In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Drums can explode from steam pressure. Cool endangered containers with water spray jet. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Refer to protective measures listed in sections 7 and 8. Do not inhale vapours/aerosols. Keep away from ignition sources.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., sand, kieselguhr, acid binder, universal binder, sawdust) and send for disposal.

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****General protective and hygiene measures**

Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Avoid contact with eyes and skin. Do not inhale aerosols. Provide eye wash fountain in work area. Have emergency shower available.

Advice on protection against fire and explosion

Keep away from sources of heat and ignition. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Vapours can form an explosive mixture with air. Heating up leads to increase of pressure - danger of bursting.

7.2 Conditions for safe storage, including any incompatibilities**Technical measures and storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight. Store in a dry place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Keep in original packaging, tightly closed.

Incompatible products

Substances to be avoided, see section 10.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

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No	Substance name	CAS no.	EC no.
1	butane	106-97-8	203-448-7
List of approved workplace exposure limits (WELs) / EH40			
Butane			
	WEL short-term (15 min reference period)	1810	mg/m ³ 750 ppm
	WEL long-term (8-hr TWA reference period)	1450	mg/m ³ 600 ppm
	Comments	Carc, (only applies if Butane contains more than 0.1% of buta-1,3-diene)	
2	propan-2-ol	67-63-0	200-661-7
List of approved workplace exposure limits (WELs) / EH40			
Propan-2-ol			
	WEL short-term (15 min reference period)	1250	mg/m ³ 500 ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m ³ 400 ppm
3	n-butyl acetate	123-86-4	204-658-1
List of approved workplace exposure limits (WELs) / EH40			
Butyl acetate			
	WEL short-term (15 min reference period)	966	mg/m ³ 200 ppm
	WEL long-term (8-hr TWA reference period)	724	mg/m ³ 150 ppm
EU 2019/1831			
n-Butyl acetate			
	WEL short-term (15 min reference period)	723	mg/m ³ 150 ppm
	WEL long-term (8-hr TWA reference period)	241	mg/m ³ 50 ppm
4	isopropyl acetate	108-21-4	203-561-1
List of approved workplace exposure limits (WELs) / EH40			
Isopropyl acetate			
	WEL short-term (15 min reference period)	849	mg/m ³ 200 ppm
5	n-hexane	110-54-3	203-777-6
2006/15/EC			
n-Hexane			
	WEL long-term (8-hr TWA reference period)	72	mg/m ³ 20 ppm
List of approved workplace exposure limits (WELs) / EH40			
n-Hexane			
	WEL long-term (8-hr TWA reference period)	72	mg/m ³ 20 ppm
6	cyclohexane	110-82-7	203-806-2
2006/15/EC			
Cyclohexane			
	WEL long-term (8-hr TWA reference period)	700	mg/m ³ 200 ppm
List of approved workplace exposure limits (WELs) / EH40			
Cyclohexane			
	WEL short-term (15 min reference period)	1050	mg/m ³ 300 ppm
	WEL long-term (8-hr TWA reference period)	350	mg/m ³ 100 ppm

DNEL, DMEL and PNEC values**DNEL values (worker)**

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	propan-2-ol			67-63-0 200-661-7	
	dermal	Long term (chronic)	systemic	888	mg/kg/day
	inhalative	Long term (chronic)	systemic	500	mg/m ³
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0 931-254-9	
	dermal	Long term (chronic)	systemic	13964	mg/kg/day
	inhalative	Long term (chronic)	systemic	5306	mg/m ³
3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			- 927-510-4	

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	dermal	Long term (chronic)	systemic	300	mg/kg/day
	inhalative	Long term (chronic)	systemic	2085	mg/m ³
4	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics			- 927-241-2	
	dermal	Long term (chronic)	systemic	208	mg/kg/day
	inhalative	Long term (chronic)	systemic	871	mg/m ³
5	n-butyl acetate			123-86-4 204-658-1	
	dermal	Long term (chronic)	systemic	11	mg/kg/day
	dermal	Short term (acute)	systemic	11	mg/kg/day
	inhalative	Long term (chronic)	systemic	300	mg/m ³
	inhalative	Short term (acute)	systemic	600	mg/m ³
	inhalative	Long term (chronic)	local	300	mg/m ³
	inhalative	Short term (acute)	local	600	mg/m ³
6	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane			64742-49-0 926-605-8	
	dermal	Long term (chronic)	systemic	13964	mg/kg/day
	inhalative	Long term (chronic)	systemic	5306	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	propan-2-ol			67-63-0 200-661-7	
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	319	mg/kg/day
	inhalative	Long term (chronic)	systemic	89	mg/m ³
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane			64742-49-0 931-254-9	
	oral	Long term (chronic)	systemic	1301	mg/kg/day
	dermal	Long term (chronic)	systemic	1377	mg/kg/day
	inhalative	Long term (chronic)	systemic	1131	mg/m ³
3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics			- 927-510-4	
	oral	Long term (chronic)	systemic	149	mg/kg/day
	dermal	Long term (chronic)	systemic	149	mg/kg/day
	inhalative	Long term (chronic)	systemic	447	mg/m ³
4	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics			- 927-241-2	
	oral	Long term (chronic)	systemic	125	mg/kg/day
	dermal	Long term (chronic)	systemic	125	mg/kg/day
	inhalative	Long term (chronic)	systemic	185	mg/m ³
5	n-butyl acetate			123-86-4 204-658-1	
	oral	Long term (chronic)	systemic	2	mg/kg/day
	oral	Short term (acute)	systemic	2	mg/kg/day
	dermal	Long term (chronic)	systemic	6	mg/kg/day
	dermal	Short term (acute)	systemic	6	mg/kg/day
	inhalative	Long term (chronic)	systemic	35.7	mg/m ³
	inhalative	Short term (acute)	systemic	300	mg/m ³
	inhalative	Long term (chronic)	local	35.7	mg/m ³
	inhalative	Short term (acute)	local	300	mg/m ³
6	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane			64742-49-0 926-605-8	
	oral	Long term (chronic)	systemic	1301	mg/kg/day
	dermal	Long term (chronic)	systemic	1377	mg/kg/day
	inhalative	Long term (chronic)	systemic	1131	mg/m ³

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PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	propan-2-ol		67-63-0 200-661-7	
	water	fresh water	140.9	mg/L
	water	Aqua intermittent	140.9	mg/L
	water	marine water	140.9	mg/L
	water	fresh water sediment	552	mg/L
	water	marine water sediment	552	mg/L
	soil	-	28	mg/kg
	sewage treatment plant	-	2251	mg/L
	secondary poisoning	-	160	mg/kg
	with reference to: food			
2	n-butyl acetate		123-86-4 204-658-1	
	water	fresh water	0.18	mg/L
	water	marine water	0.018	mg/L
	water	Aqua intermittent	0.36	mg/L
	water	fresh water sediment	0.981	mg/kg dry weight
	water	marine water sediment	0.0981	mg/kg dry weight
	soil	-	0.0903	mg/kg
	sewage treatment plant	-	35.6	mg/L

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Respiratory protection mask with combination filter.

Respirator A-P2

Eye / face protection

Tightly fitting safety glasses (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	nitrile rubber		
Material thickness	>=	0.4	mm
Breakthrough time	>	480	min

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Form/Colour	
Aerosol	
colourless	
Odour	
ester-like	
Odour threshold	
No data available	
pH value	
Not applicable	
Boiling point / boiling range	
Value	-44 °C
Melting point / melting range	
No data available	
Decomposition point / decomposition range	
No data available	
Flash point	
No data available	
Ignition temperature	
Value	240 °C
Auto-ignition temperature	
No data available	
Oxidising properties	
not oxidizing	
Explosive properties	
This product is not explosive. In and after use danger of production of inflammable compounds.	
Flammability (solid, gas)	
No data available	
Lower flammability or explosive limits	
Value	0.8 % vol
Upper flammability or explosive limits	
Value	12.0 % vol
Vapour pressure	
No data available	
Vapour density	
No data available	
Evaporation rate	
No data available	
Relative density	
No data available	
Density	
Value	0.643 g/cm ³
Reference temperature	20 °C
Solubility in water	
Comments	Not miscible or difficult to mix
Solubility(ies)	

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No data available

Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source		ECHA	
2	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25	°C
Method		OECD 117	
Source		ECHA	

Viscosity

No data available

Solids content

Value	1.6	%
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9.2 Other information**Other information**

No data available.

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

No data available.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Generation of flammable vapor-air mixtures possible.

10.4 Conditions to avoid

Protect from heat and direct sunlight. Keep away sources of ignition.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

Acute oral toxicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LD50		5840	mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LD50		>	5000 mg/kg bodyweight
Species		rat	
Method		OECD 401	
Source		ECHA	

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3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LD50	>	5840	mg/kg bodyweight
Species	rat		
Source	ECHA		
4	n-butyl acetate	123-86-4	204-658-1
LD50	>	10760	mg/kg bodyweight
Species	rat		
Method	OECD 423		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LD50	>	3350	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		
2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LD50	>	2800 - 3100	mg/kg bodyweight
Species	rat		
Source	ECHA		
3	n-butyl acetate	123-86-4	204-658-1
LD50	>	14112	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LC50	>	10000	ppmV
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
LC50		259	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LC50	>	23.3	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	irritant		
3	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		
4	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
Species	rabbit		
Method	OECD 404		
Source	ECHA		
Evaluation	non-irritant		

Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Duration of exposure		72	h
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		
3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Species	rabbit		
Source	ECHA		
Evaluation	non-irritant		
4	n-butyl acetate	123-86-4	204-658-1
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	non-irritant		

Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
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.		
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure	Skin		
Species	mouse		
Method	OECD 429		
Source	ECHA		
Evaluation	non-sensitizing		
3	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Route of exposure	Skin		
Species	guinea pig		

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Method	OECD 406
Source	ECHA
Evaluation	non-sensitizing

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Type of examination		gene mutation assay	
Species		Salmonella typhimurium	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Route of exposure		inhalational	
Type of examination		Chromosome aberration test	
Species		rat	
Method		OECD 475	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	n-butyl acetate	123-86-4	204-658-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
4	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		inhalational	
NOAEC		9000	ppm
Duration of exposure		13	week/s
Type of examination		2 generation study	
Species		rat	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	n-butyl acetate	123-86-4	204-658-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
Source		ECHA / Read across	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Route of exposure		inhalational	
NOAEC		9016	ppm
Duration of exposure		2	year(s)
Species		mouse	
Method		OECD 451	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8

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hexane			
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Route of exposure	inhalational		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	Hydrocarbons, C6, isoalkanes, <5% n-hexane	64742-49-0	931-254-9
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
3	n-butyl acetate	123-86-4	204-658-1
Route of exposure	inhalational		
NOAEC		500	ppm
Duration of exposure		90	day(s)
Species	rat		
Method	EPA OTS 798.2450		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
Source	ECHA / Read across		
Evaluation/classification	Based on available data, the classification criteria are not met.		
Aspiration hazard			
No data available			

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LC50		9640	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
LL50	>	13.4	mg/l
Duration of exposure		96	h
Species	Oncorhynchus mykiss		
Method	OECD 203		
Source	ECHA		
3	n-butyl acetate	123-86-4	204-658-1
LC50		18	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
4	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
LL50		12	mg/l

Trade name: Cabriodach-versiegelung**Product no.:** 234412**Current version :** 1.0.0, issued: 27.11.2020**Replaced version:** -, issued: -**Region:** GB

Duration of exposure	96	h
Species	Oncorhynchus mykiss	
Method	OECD 203	
Source	ECHA	

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
EC50	>	10000	mg/l
Duration of exposure		24	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
EC50		3	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	927-241-2
EL50	> 22	- 46	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		
4	n-butyl acetate	123-86-4	204-658-1
EC50		44	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to Daphnia (chronic)

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
NOEC		23	mg/l
Duration of exposure		21	day(s)
Species	Daphnia magna		
with reference to	CAS 110-19-0		
Method	OECD 211		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

Toxicity to algae (acute)

No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
EL50	10	- 30	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		
2	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
EL50		26	mg/l
Duration of exposure		72	h

Trade name: Cabriodach-versiegelung

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Species	Pseudokirchneriella subcapitata
Method	OECD 201
Source	ECHA

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
IC50		356	mg/l
Duration of exposure		40	h
Species	Tetrahymena pyriformis (Protozoa)		
Source	ECHA		

12.2 Persistence and degradability**Biodegradability**

No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Type	BOD/COD		
Value		53	%
Duration		5	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
2	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	-	927-510-4
Type	aerobic biodegradation		
Value		83	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
3	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	-	927-241-2
Type	aerobic biodegradation		
Value		89	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily biodegradable		
4	n-butyl acetate	123-86-4	204-658-1
Type	aerobic biodegradation		
Value		83	%
Duration		28	day(s)
Method	OECD 301 D		
Source	ECHA		
Evaluation	readily biodegradable		
5	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	64742-49-0	926-605-8
Type	aerobic biodegradation		
Value		98	%
Duration		28	day(s)
Method	OECD 301 F		
Source	ECHA		
Evaluation	readily degradable		

Abiotic Degradation

No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
Type	Photolysis		

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Half-life	3.3	day(s)
Reference temperature	25	°C
Source	ECHA	

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	EC no.
1	n-butyl acetate	123-86-4	204-658-1
BCF		15.3	
Method		Calculation model used (Q)SAR	
Source		ECHA	

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25 °C	
Source		ECHA	
2	n-butyl acetate	123-86-4	204-658-1
log Pow		2.3	
Reference temperature		25 °C	
Method		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	
PBT assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be PBT.
vPvB assessment	According to the information provided in the supply chain, the mixture does not contain > 0.1% of a substance that is considered to be vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information
Do not discharge into the drains or waters and do not store on public depositories.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

No data available.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

Class	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D

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Label 2.1

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

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.

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
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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	cyclohexane	110-82-7	203-806-2	57

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:	P3a
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Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product. Employment restrictions, according to the regulations for protection of expectant and nursing mothers and the youth health and safety regulations, serving to protect against hazardous materials, should be observed.

15.2 Chemical safety assessment

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

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

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.

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

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

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
U	When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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