

## DEEP DRYING WAX

Creation date	23rd July 2024	Version	1.0
Revision date			

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

- 1.1. Product identifier**  
 Substance / mixture: DEEP DRYING WAX  
 mixture  
 Number: 1 37101 5L, 1 37102 - 25L  
 UFI: QRTT-VGU8-681S-MVXM
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
 Cleaning agent. For professional use only.  
**Main intended use**  
 PC-CLN-17.1 Exterior cleaning products - all vehicle types  
**Mixture uses advised against**  
 The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**  
**Supplier**  
 Name or trade name: RETECH, s.r.o.  
 Address: Vackova 1541/4, Praha 5 - Stodůlky, 155 00  
 Czech Republic  
 Identification number (CRN): 25018205  
 VAT Reg No: CZ25018205  
 Phone: +420327596428  
 E-mail: info@retech.cz  
 Web address: www.retech.com
- Competent person responsible for the safety data sheet**  
 Name: RETECH, s.r.o.  
 E-mail: info@retech.cz
- 1.4. Emergency telephone number**  
 European emergency number: 112

### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
 The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
- 2.2. Label elements**  
 none
- 2.3. Other hazards**  
 The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

### SECTION 3: Composition/information on ingredients

- 3.2. Mixtures**  
**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 931-216-1 Registration number: 01-2119472309-33	Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine	0,5-<5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Specific concentration limit: Skin Irrit. 2, H315: C ≥ 28 % Eye Irrit. 2, H319: C ≥ 28 %	
Index: 603-052-00-8 CAS: 5131-66-8 EC: 225-878-4 Registration number: 01-2119475527-28	3-butoxypropan-2-ol	0,5-<5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	

**DEEP DRYING WAX**Creation date 23rd July 2024  
Revision date Version 1.0

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44	2-(2-butoxyethoxy)ethanol	0,1-<1	Eye Irrit. 2, H319	1, 2
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	<0,5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	

**Notes**

- 1 A substance for which exposure limits are set.
- 2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air.

**If on skin**

Remove contaminated clothes.

**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person.

**If swallowed**

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances.

**4.2. Most important symptoms and effects, both acute and delayed****If inhaled**

Not expected.

**If on skin**

Not expected.

**If in eyes**

Not expected.

**If swallowed**

Not expected.

**4.3. Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

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

Accommodate extinguishing components to the location of fire.

**Unsuitable extinguishing media**

not available

**5.2. Special hazards arising from the substance or mixture**

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Follow the instructions in the Sections 7 and 8.

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

**6.3. Methods and material for containment and cleaning up**

After removal of the product, wash the contaminated site with plenty of water.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Content	Packaging type	Material of package
5 l	jerry can	
25 l	jerry can	

Storage temperature min 5 °C, max 25 °C

**7.3. Specific end use(s)**

not available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

**European Union**

**Commission Directive 2006/15/EC**

Substance name (component)	Type	Value
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m <sup>3</sup>
	OEL 8 hours	10 ppm
	OEL 15 minutes	101,2 mg/m <sup>3</sup>
	OEL 15 minutes	15 ppm

**DNEL**

2-(2-butoxyethoxy)ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	67.5 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	101.2 mg/m <sup>3</sup>	Acute effects local		
Workers	Inhalation	67.5 mg/m <sup>3</sup>	Chronic effects local		
Workers	Dermal	83 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	40.5 mg/m <sup>3</sup>	Chronic effects systemic		

**DEEP DRYING WAX**

Creation date

23rd July 2024

Revision date

Version

1.0

**2-(2-butoxyethoxy)ethanol**

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Inhalation	40.5 mg/m <sup>3</sup>	Chronic effects local		
Consumers	Inhalation	60.7 mg/m <sup>3</sup>	Acute effects local		
Consumers	Dermal	50 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	5 mg/kg bw/day	Chronic effects systemic		

**3-butoxypropan-2-ol**

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	147 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Dermal	52 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	50 %	Chronic effects local		
Workers	Dermal	50 %	Acute effects local		
Consumers	Inhalation	43 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Dermal	22 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	50 %	Chronic effects local		
Consumers	Dermal	50 %	Acute effects local		
Consumers	Oral	12.5 mg/kg bw/day	Chronic effects systemic		

**propan-2-ol**

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	26 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	319 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	888 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	89 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Inhalation	500 mg/m <sup>3</sup>	Chronic effects systemic		

**Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine**

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	44 mg/m <sup>3</sup>	Chronic effects systemic		
Workers	Dermal	312.5 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	13 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Dermal	187.5 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	7.5 mg/kg bw/day	Chronic effects systemic		

**DEEP DRYING WAX**

Creation date

23rd July 2024

Revision date

Version

1.0

**PNEC**

<b>2-(2-butoxyethoxy)ethanol</b>			
Route of exposure	Value	Value determination	Source
Freshwater environment	1.1 mg/l		
Marine water	0.11 mg/l		
Freshwater sediment	4.4 mg/kg of dry substance of sediment		
Sea sediments	0.44 mg/kg of dry substance of sediment		
Soil (agricultural)	0.32 mg/kg of dry substance of soil		
Food chain	56 mg/kg of food		
Water (intermittent release)	11 mg/l		

<b>3-butoxypropan-2-ol</b>			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.525 mg/l		
Marine water	0.0525 mg/l		
Microorganisms in sewage treatment	10 mg/l		
Freshwater sediment	2.36 mg/kg of dry substance of sediment		
Sea sediments	0.236 mg/kg of dry substance of sediment		
Soil (agricultural)	0.16 mg/kg of dry substance of soil		

<b>propan-2-ol</b>			
Route of exposure	Value	Value determination	Source
Freshwater environment	140.9 mg/l		
Marine water	140.9 mg/l		
Microorganisms in sewage treatment	2251 mg/l		
Freshwater sediment	552 mg/kg of dry substance of sediment		
Sea sediments	552 mg/kg of dry substance of sediment		
Soil (agricultural)	28 mg/kg of dry substance of soil		
Food chain	160 mg/kg		

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.002 mg/kg		
Marine water	0.0002 mg/kg		
Microorganisms in sewage treatment	2.96 mg/kg		

**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine			
Route of exposure	Value	Value determination	Source
Freshwater sediment	0.58 mg/kg of dry substance of sediment		
Sea sediments	0.058 mg/kg of dry substance of sediment		
Soil (agricultural)	0.115 mg/kg of dry substance of soil		

**8.2. Exposure controls**

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

**Eye/face protection**

It is not needed.

**Skin protection**

Hand protection: Protective gloves resistant to the product. When handling in long-term or repeatedly, use protective gloves.

**Respiratory protection**

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	yellow
color intensity	light
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	100 °C
Flammability	The product is non-flammable.
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	6.5-7 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	soluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

**9.2. Other information**

not available

**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

not available

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

**Acute toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-(2-butoxyethoxy)ethanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	7291 mg/kg		Rat	M
Dermal	LD <sub>50</sub>	2764 mg/kg		Rabbit	M
Inhalation (dust/mist)	LC <sub>50</sub>	>29 ppm	2 hours	Rat	
Dermal	NOAEL	>2000 mg/kg	90 days (6 hour/day)	Rat	F/M
Oral	NOAEL	250 mg/kg	90 days (7 hour/day)	Rat	F/M
Inhalation (vapor)	NOAEL	14 ppm	90 days (6 hour/day)	Rat	F/M

3-butoxypropan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation (vapor)	LCLo	>651 ppm	4 hours	Rat	F/M
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rat	F/M
Oral	LD <sub>50</sub>	3300 mg/kg		Rat	F/M
Dermal	NOAEL	880 mg/kg	13 weeks (5 days/week)	Rat	F/M
Oral	NOAEL	350 mg/kg	13 weeks (7 days/week)	Rat	F/M
Inhalation (vapor)	NOAEL	>700 ppm	2 weeks (6 hour/day)	Rat	F/M

propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	5840 mg/kg		Rat	
Dermal	LD <sub>50</sub>	12874 mg/kg		Rabbit	

**DEEP DRYING WAX**

Creation date

23rd July 2024

Revision date

Version

1.0

<b>propan-2-ol</b>					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation (vapor)	LC <sub>50</sub>	>10000 ppm	6 hours	Rat	F/M
Inhalation (vapor)	NOAEL	5000 ppm	104 weeks (6 hour/day)	Rat	F/M

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit	F/M
Oral	LD <sub>50</sub>	>2000 mg/kg		Rat	F/M
Oral	NOAEL	1000 mg/kg	28 days (7 days/week)	Rat	F/M
Oral	NOAEL	300 mg/kg	96 days (5 days/week)	Rat	F/M

**Skin corrosion/irritation**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

<b>2-(2-butoxyethoxy)ethanol</b>			
Route of exposure	Result	Exposure time	Species
Skin	Local effects, Causes damage		Rabbit

<b>3-butoxypropan-2-ol</b>			
Route of exposure	Result	Exposure time	Species
Skin	Local effects		Rabbit

<b>propan-2-ol</b>			
Route of exposure	Result	Exposure time	Species
Skin	Irritating		Rabbit

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>			
Route of exposure	Result	Exposure time	Species
Skin	Local effects, Causes damage		Rabbit

**Serious eye damage/irritation**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

<b>2-(2-butoxyethoxy)ethanol</b>			
Route of exposure	Result	Exposure time	Species
Eye	Irritating		Rabbit

<b>3-butoxypropan-2-ol</b>			
Route of exposure	Result	Exposure time	Species
Eye	Local effects		Rabbit



**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

<b>propan-2-ol</b>			
Route of exposure	Result	Exposure time	Species
Eye	Local effects		Rabbit

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>			
Route of exposure	Result	Exposure time	Species
Eye	Local effects		Rabbit

**Respiratory or skin sensitisation**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

<b>2-(2-butoxyethoxy)ethanol</b>				
Route of exposure	Result	Exposure time	Species	Sex
Skin	Not sensitizing		Guinea-pig	

<b>3-butoxypropan-2-ol</b>				
Route of exposure	Result	Exposure time	Species	Sex
Skin	Not sensitizing		Guinea-pig	

<b>propan-2-ol</b>				
Route of exposure	Result	Exposure time	Species	Sex
Skin	Not sensitizing		Guinea-pig	

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>				
Route of exposure	Result	Exposure time	Species	Sex
Skin	Not sensitizing		Guinea-pig	

**Germ cell mutagenicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

<b>2-(2-butoxyethoxy)ethanol</b>					
Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 471			Bacteria	
Negative	OECD 473			Mammals	
Negative	OECD 476			Mammals	
Negative	OECD 475			Mammals	

<b>3-butoxypropan-2-ol</b>					
Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 471			Bacteria	
Negative	OECD 473			Mammals	
Negative	OECD 476			Mammals	

<b>propan-2-ol</b>					
Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 471			Bacteria	
Negative	OECD 476			Mammals	

**DEEP DRYING WAX**

Creation date

23rd July 2024

Revision date

Version

1.0

**propan-2-ol**

Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 474			Mammals	

**Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine**

Result	Method	Exposure time	Specific target organ	Species	Sex
Negative	OECD 471			Bacteria	
Negative	OECD 473			Mammals	
Negative	OECD 476			Mammals	
Negative	OECD 474			Mammals	

**Carcinogenicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

**3-butoxypropan-2-ol**

Route of exposure	Parameter	Value	Exposure time	Result	Species	Sex
Inhalation	TCLo	3000 ppm	2 years (6 days/week)	Negative	Rat	F/M

**propan-2-ol**

Route of exposure	Parameter	Value	Exposure time	Result	Species	Sex
Inhalation	TCLo	5000 ppm	104 weeks (6 hour/day)	Negative	Rat	F/M

**Reproductive toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

**2-(2-butoxyethoxy)ethanol**

Effect	Parameter	Value	Exposure time	Result	Species	Sex
Effects on fertility		1000 mg/kg		Negative	Rat	F/M
Developmental toxicity		1000 mg/kg		Negative	Rabbit	

**3-butoxypropan-2-ol**

Effect	Parameter	Value	Exposure time	Result	Species	Sex
Maternal toxicity		300 ppm	>0 days (6 hour/day)	Negative	Rat	F/M
Effects on fertility		300 ppm	>0 days (6 hour/day)	Negative	Rat	F/M
Developmental toxicity		300 ppm	>0 days (6 hour/day)	Negative	Rat	F/M
Developmental toxicity		100 mg/kg		Negative	Rabbit	
Developmental toxicity		880 mg/kg		Negative	Rat	

**DEEP DRYING WAX**

Creation date  
Revision date

23rd July 2024

Version

1.0

<b>propan-2-ol</b>						
Effect	Parameter	Value	Exposure time	Result	Species	Sex
Developmental toxicity		480 mg/kg	13 days (7 days/week)	Negative	Rat	
Developmental toxicity		596 mg/kg	11 days (7 days/week)	Negative	Rat	
Maternal toxicity		500 mg/kg	>0 days (7 days/week)	Negative	Rat	F/M
Effects on fertility		500 mg/kg	>0 days (7 days/week)	Negative	Rat	F/M
Developmental toxicity		500 mg/kg	>0 days (7 days/week)	Negative	Rat	F/M

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>						
Effect	Parameter	Value	Exposure time	Result	Species	Sex
Maternal toxicity		1000 mg/kg	28 days (7 days/week)	Negative	Rat	F/M
Maternal toxicity		1000 mg/kg	96 days (5 days/week)	Negative	Rat	F/M
Developmental toxicity		1000 mg/kg	10 days (7 days/week)	Negative	Rat	
Developmental toxicity		1000 mg/kg	28 days (7 days/week)	Negative	Rat	F/M
Developmental toxicity		1000 mg/kg	96 days (5 days/week)	Negative	Rat	F/M

**Toxicity for specific target organ - single exposure**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

<b>propan-2-ol</b>					
Route of exposure	Parameter	Value	Result	Species	Sex
			Drowsiness, Dizziness		

**Toxicity for specific target organ - repeated exposure**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Aspiration hazard**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**11.2. Information on other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**SECTION 12: Ecological information**

**12.1. Toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

**DEEP DRYING WAX**

Creation date

23rd July 2024

Revision date

Version

1.0

**Acute toxicity**

<b>2-(2-butoxyethoxy)ethanol</b>				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	1300 mg/l	96 hours	Fish (Lepomis macrochirus)	Fresh water
EC <sub>50</sub>	>100 mg/l	48 hours	Daphnia (Daphnia magna)	Fresh water
EC <sub>50</sub>	>100 mg/l	96 hours	Algae (Desmodesmus subspicatus)	Fresh water
EC <sub>10</sub>	>1995 mg/l	30 minutes	Microorganisms	Fresh water

<b>3-butoxypropan-2-ol</b>				
Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	>1000 mg/l	72 hours	Algae (Raphidocelis subcapitata)	Fresh water
EC <sub>50</sub>	>1000 mg/l	48 hours	Daphnia (Daphnia magna)	Fresh water
EC <sub>50</sub>	>1000 mg/l	3 hours	Microorganisms	Fresh water
LC <sub>50</sub>	560-1000 mg/l	96 hours	Fish (Poecilia reticulata)	Fresh water
NOEC	560 mg/l	72 hours	Algae (Raphidocelis subcapitata)	Fresh water

<b>propan-2-ol</b>				
Parameter	Value	Exposure time	Species	Environment
EC <sub>10</sub>	1800 mg/l	7 days	Algae (Scenedesmus quadricauda)	Fresh water
EC <sub>10</sub>	1050 mg/l	16 hours	Microorganisms (Pseudomonas putida)	Fresh water
EC <sub>50</sub>	>10000 mg/l	24 hours	Daphnia (Daphnia magna)	Fresh water
LC <sub>50</sub>	9640 mg/l	96 hours	Fish (Pimephales promelas)	Fresh water

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>				
Parameter	Value	Exposure time	Species	Environment
EC <sub>10</sub>	1.48 mg/l	72 hours	Algae (Desmodesmus subspicatus)	Fresh water
EC <sub>10</sub>	29.6 mg/l	30 minutes	Microorganisms (Pseudomonas putida)	Fresh water
EC <sub>50</sub>	2.14 mg/l	72 hours	Algae (Desmodesmus subspicatus)	Fresh water
EC <sub>50</sub>	2.23 mg/l	48 hours	Daphnia (Daphnia magna)	Fresh water
LC <sub>50</sub>	1.91 mg/l	96 hours	Fish (Oncorhynchus mykiss)	Fresh water

**Chronic toxicity**

<b>propan-2-ol</b>				
Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	141 mg/l	16 days	Daphnia (Daphnia magna)	

**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

**12.2. Persistence and degradability**

Data for the mixture are not available. Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

**Biodegradability**

<b>2-(2-butoxyethoxy)ethanol</b>						
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301C	85 %	28 days		Easily biodegradable	Modified MITI Test (I)

<b>3-butoxypropan-2-ol</b>						
Parameter	Method	Value	Exposure time	Environment	Result	Source
		87 %	28 days		Easily biodegradable	ISO 14593

<b>propan-2-ol</b>						
Parameter	Method	Value	Exposure time	Environment	Result	Source
		53 %	5 days		Easily biodegradable	EU C.5/C.6

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>						
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301B	100 %	28 days		Easily biodegradable	CO <sub>2</sub> Evolution Test

**12.3. Bioaccumulative potential**

Data for the mixture are not available.

<b>2-(2-butoxyethoxy)ethanol</b>					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	1				

<b>3-butoxypropan-2-ol</b>					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	1.2				
BCF	3.16				

<b>propan-2-ol</b>					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	0.05				

<b>Reaction products of C18 (unsaturated) fatty acids and dimethyl sulfate and triethanolamine</b>					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	4.725				
BCF	13				

**12.4. Mobility in soil**

No data are available for either the mixture or the components.

**12.5. Results of PBT and vPvB assessment**

**DEEP DRYING WAX**

Creation date	23rd July 2024	Version	1.0
Revision date			

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Endocrine disrupting properties**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

**12.7. Other adverse effects**

Not available.

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

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Packaging waste type code**

15 01 10\* packaging containing residues of or contaminated by hazardous substances

15 01 02 plastic packaging

(\* ) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

**SECTION 14: Transport information****14.1. UN number or ID number**

not subject to transport regulations

**14.2. UN proper shipping name**

not relevant

**14.3. Transport hazard class(es)**

not relevant

**14.4. Packing group**

not relevant

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**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**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

**DEEP DRYING WAX**

Creation date 23rd July 2024  
Revision date Version 1.0

**Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended**

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	<p>1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.</p> <p>2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.</p> <p>3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:</p> <p>"Do not use in paint spraying equipment".</p>

**Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended**

<5 % cationic surfactants

**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**A list of standard risk phrases used in the safety data sheet**

H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

ADR European agreement concerning the international carriage of dangerous goods by road  
BCF Bioconcentration Factor  
CAS Chemical Abstracts Service  
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures  
EC Identification code for each substance listed in EINECS  
EC<sub>10</sub> Concentration of a substance when it is affected 10% of the population  
EC<sub>50</sub> Concentration of a substance when it is affected 50% of the population  
EINECS European Inventory of Existing Commercial Chemical Substances  
EmS Emergency plan  
EU European Union  
EuPCS European Product Categorisation System  
IATA International Air Transport Association  
IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals  
ICAO International Civil Aviation Organization  
IMDG International Maritime Dangerous Goods  
IMO International Maritime Organization  
INCI International Nomenclature of Cosmetic Ingredients  
ISO International Organization for Standardization  
IUPAC International Union of Pure and Applied Chemistry

**DEEP DRYING WAX**

Creation date	23rd July 2024	Version	1.0
Revision date			

LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log K <sub>ow</sub>	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
STOT SE	Specific target organ toxicity - single exposure

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**More information**

Classification procedure - calculation method.

**Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.