

V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI

Creation date	21st June 2024	Version	1.0
Revision date			

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

1.1. Product identifier

Substance / mixture
Number
Other mixture names

V1422 Water-Based Acrylate Varnish for Wood
AQUASPORT UNI
mixture
V1422-: G1C0000; G4C0000

V1422 VODOUŘEDITELNÝ akrylátový lak na dřevo AQUASPORT UNI

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

Mixture's intended use

AQUASPORT UNI V1422 is designed for matt surface finish of wood, veneered woodchip boards and fibre boards, laminboards and cork in interiors, e.g. wooden tools, sports articles, wooden cladding for walls and ceilings etc., furniture components (excluding surfaces A, B ČSN 91 0102), wooden and cork floors, etc.

Main intended use

PC-PNT-2 Paints/coatings - Decorative

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

Manufacturer

Name or trade name	COLORLAK, a.s.
Address	Tovární 1076, Staré Město, 686 03
	Czech Republic
Identification number (CRN)	49444964
VAT Reg No	CZ49444964
Phone	+420 572527111
E-mail	colorlak@colorlak.cz
Web address	www.colorlak.cz

Competent person responsible for the safety data sheet

Name	Ing. Veronika Chytilová
E-mail	chytilova@colorlak.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.

Most serious adverse physico-chemical effects

DO NOT FREEZE!

2.2. Label elements

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

Supplemental information

EUH208	Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI

Creation date	21st June 2024	Version	1.0
Revision date			

Density	1.02-1.07 g/cm ³ at 23 °C (manufacturer's methodology B5/TD1-5 (DIN 53217/3))
VOC	0,047 kg/kg
TOC	0,028 kg/kg
Dry matter	30 % volume
VOC limit value	cat. A (e) WB: 130 g/l
Max. VOC content in the product in its ready to use condition	50 g/l

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

Chemical characterization

Mixture of substances and additives specified below.

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
Index: 603-014-00-0 CAS: 111-76-2 EC: 203-905-0 Registration number: 01-2119475108-36	2-butoxyethanol	3,5-4,2	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 3, H331 Specific concentration limit: ATE Oral = 1200 mg/kg bw ATE Inhalation (vapor) = 3 mg/l	2
CAS: 7631-86-9 EC: 231-545-4 Registration number: 01-2119379499-16	Silica, amorphous	≤3,4	not classified as dangerous	
CAS: 9004-82-4	Sodium dodecylpoly(oxyethylene) sulfate	1-2	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44	2-(2-butoxyethoxy)ethanol	0,2-0,3	Eye Irrit. 2, H319	2, 3
Index: 613-167-00-5 CAS: 55965-84-9	reaction mass of: 5-chloro-2- methyl-4- isothiazolin-3-one [EC no. 247-500-7]and 2 -methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1)	<0,001	Acute Tox. 3, H301 Acute Tox. 2, H310+H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 Specific concentration limit: Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A, H317: C ≥ 0.0015 % Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 % Skin Corr. 1C, H314: C ≥ 0.6 % Eye Dam. 1, H318: C ≥ 0.6 % ATE Inhalation (dust/mist) = 0,31 mg/l	1

V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI

Creation date

21st June 2024

Revision date

Version

1.0

Notes

- 1 Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
- 2 A substance for which exposure limits are set.
- 3 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

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

It is not a flammable liquid.

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.

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended	 barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date	21st June 2024	
Revision date		Version 1.0

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
0,6 l	can / tin	PP
2,5 l	can / tin	PP

Storage class

12 - Other non-combustible liquids

Storage temperature

+5 - 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 2000/39/EC

Substance name (component)	Type	Value	Note
2-butoxyethanol (CAS: 111-76-2)	OEL 8 hours	98 mg/m ³	Skin
	OEL 8 hours	20 ppm	
	OEL 15 minutes	246 mg/m ³	
	OEL 15 minutes	50 ppm	

European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m ³	
	OEL 8 hours	10 ppm	
	OEL 15 minutes	101,2 mg/m ³	
	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 ³	Chronic effects systemic		BL dodavatele
Workers	Inhalation	67.5 mg/m ³	Chronic effects local		BL dodavatele
Workers	Inhalation	101.2 mg/m ³	Acute effects local		BL dodavatele
Workers	Dermal	83 mg/kg bw/day	Chronic effects systemic		BL dodavatele

	SAFETY DATA SHEET		
	according to Regulation (EC) No 1907/2006 (REACH) as amended		
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024	Version	1.0
Revision date			

2-(2-butoxyethoxy)ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Inhalation	40.5 mg/m ³	Chronic effects systemic		BL dodavatele
Consumers	Inhalation	40.5 mg/m ³	Chronic effects local		BL dodavatele
Consumers	Inhalation	60.7 mg/m ³	Acute effects local		BL dodavatele
Consumers	Dermal	50 mg/kg bw/day	Chronic effects systemic		BL dodavatele
Consumers	Oral	6.25 mg/kg bw/day	Chronic effects systemic		BL dodavatele

2-butoxyethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	98 mg/m ³	Chronic effects systemic		BL dodavatele
Workers (0)	Inhalation	246 mg/m ³	Acute effects local		BL dodavatele
Workers (0)	Inhalation	1091 mg/m ³	Acute effects systemic		BL dodavatele
Workers (0)	Dermal	125 mg/kg bw/day	Chronic effects systemic		BL dodavatele
Workers (0)	Dermal	89 mg/kg bw/day	Acute effects systemic		BL dodavatele
Consumers (0)	Inhalation	59 mg/m ³	Chronic effects systemic		BL dodavatele
Consumers (0)	Inhalation	426 mg/m ³	Acute effects systemic		BL dodavatele
Consumers (0)	Inhalation	147 mg/m ³	Acute effects local		BL dodavatele
Consumers (0)	Dermal	75 mg/kg bw/day	Chronic effects systemic		BL dodavatele
Consumers (0)	Dermal	89 mg/kg bw/day	Acute effects systemic		BL dodavatele
Consumers (0)	Oral	6.3 mg/kg bw/day	Chronic effects systemic		BL dodavatele
Consumers (0)	Oral	26.7 mg/kg bw/day	Acute effects systemic		BL dodavatele

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	0.02 mg/m ³	Chronic effects local		BL dodavatele
Workers	Inhalation	0.04 mg/m ³	Acute effects local		BL dodavatele
Consumers	Inhalation	0.04 mg/m ³	Acute effects local		BL dodavatele
Consumers	Inhalation	0.02 mg/m ³	Chronic effects local		BL dodavatele
Consumers	Oral	0.09 mg/kg	Chronic effects systemic		BL dodavatele
Consumers	Oral	0.11 mg/kg	Acute effects systemic		BL dodavatele

Silica, amorphous					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	4 mg/m ³	Chronic effects systemic		BL dodavatele

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended		 COLORLAK barvy, které vydrží
	V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date	21st June 2024	Version	1.0
Revision date			

PNEC

2-(2-butoxyethoxy)ethanol			
Route of exposure	Value	Value determination	Source
Freshwater environment	1.1 mg/l		BL dodavatele
Marine water	0.11 mg/l		BL dodavatele
Microorganisms in sewage treatment	200 mg/l		BL dodavatele
Freshwater sediment	4.4 mg/kg		BL dodavatele
Sea sediments	0.44 mg/kg		BL dodavatele
Soil (agricultural)	0.32 mg/kg		BL dodavatele
Food chain	56 mg/kg		BL dodavatele

2-butoxyethanol			
Route of exposure	Value	Value determination	Source
Freshwater environment	8.8 mg/l		BL dodavatele
Marine water	0.88 mg/l		BL dodavatele
Water (intermittent release)	9.1 mg/l		BL dodavatele
Microorganisms in sewage treatment	463 mg/l		BL dodavatele
Freshwater sediment	34.6 mg/kg of dry substance of sediment		BL dodavatele
Soil (agricultural)	2.33 mg/kg of dry substance of soil		BL dodavatele
Food chain	0.02 mg/kg of food		BL dodavatele
Sea sediments	3.46 mg/kg		BL dodavatele

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)			
Route of exposure	Value	Value determination	Source
Freshwater environment	0.00339 mg/l		BL dodavatele
Marine water	0.00339 mg/l		BL dodavatele
Microorganisms in sewage treatment	0.23 mg/l		BL dodavatele
Freshwater sediment	0.027 mg/kg		BL dodavatele
Sea sediments	0.027 mg/kg		BL dodavatele
Soil (agricultural)	0.01 mg/kg		BL dodavatele

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.

V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI

Creation date

21st June 2024

Revision date

Version

1.0

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	white, cloudy
Odour	slight
Melting point/freezing point	data not available
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	-68 °C (BL dodavatele)
Silica, amorphous (CAS: 7631-86-9)	1700 °C (BL dodavatele)
Boiling point or initial boiling point and boiling range	100 °C (mixture in an aqueous environment)
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	230 °C (BL dodavatele)
Flammability	it is not a flammable liquid (pursuant ČSN 65 0201)
Lower and upper explosion limit	
bottom	0.7 % (for 2-(2-butoxyethoxy)ethanol)
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	0.7 % (BL dodavatele)
upper	14 % (pro (2-methoxymethylethoxy)propanol)
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	5.3 % (BL dodavatele)
Flash point	data not available
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	114-115 °C (BL dodavatele)
Auto-ignition temperature	data not available
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	230 °C (BL dodavatele)
Decomposition temperature	data not available
pH	7-9 (undiluted at 23 °C) (estimate)
Kinematic viscosity	>20.5 mm²/s at 40 °C
Kinematic viscosity	data not available
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	5.2 mm²/s at 25 °C (BL dodavatele)
Solubility in water	miscible
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	955 g/l při 20°C (BL dodavatele)
Silica, amorphous (CAS: 7631-86-9)	>1 mg/l (BL dodavatele)
Partition coefficient n-octanol/water (log value)	logPow -1.36 - 1 (range of ingredients included)
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	1 (BL dodavatele)
Vapour pressure	0.029 - 0.89 hPa at 20 °C (range of ingredients included)
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	0.029 hPa at 25 °C (BL dodavatele)
Density and/or relative density	
Density	1.02-1.07 g/cm³ at 23 °C (manufacturer's methodology B5/TD1-5 (DIN 53217/3))
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	0.955 g/cm³ at 20 °C (BL dodavatele)
Silica, amorphous (CAS: 7631-86-9)	2.2 g/cm³ at 20 °C (BL dodavatele)
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Appearance	low-viscosity white liquid with easily stirrable sediment (manufacturer's methodology B5/TD1-17 (ČSN EN ISO 1513))
Vapour density	> 1 (air = 1)
Content of organic solvents (VOC)	0.047 kg/kg (calculation)
Total organic carbon (TOC)	0.028 kg/kg (calculation)

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended		 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024	Version	1.0
Revision date			
Solid content (dry matter)		30 % volume (manufacturer's methodology B5/TD1-12B (ČSN EN ISO 3251))	
VOC limit value		cat. A (e) WB: 130 g/l	
Max. VOC content in the product in its ready to use condition		50 g/l (calculation)	

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

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

V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	ATE		28450 mg/kg				Calculation of value	
Dermal	ATE		2274000 mg/kg				Calculation of value	
Inhalation (vapor)	ATE		70.14 mg/l				Calculation of value	

2-(2-butoxyethoxy)ethanol								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		5660 mg/kg		Rat (Rattus norvegicus)			BL dodavat ele
Dermal	LD ₅₀		4120 mg/kg		Rabbit			BL dodavat ele

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended	 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date Revision date	21st June 2024	Version 1.0

2-butoxyethanol								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀	OECD 401	1400 mg/kg		Rat (Rattus norvegicus)	F/M		BL dodavatele
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)			BL dodavatele
Inhalation	LC ₀		400 ppm	7 hours	Guinea-pig (Cavia aperea f. porcellus)			echa
Oral	ATE		1200 mg/kg bw					
Inhalation (vapor)	ATE		3 mg/l					

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Inhalation (dust/mist)	LC ₅₀		0.31 mg/l	4 hours				BL dodavatele
Inhalation (dust/mist)	ATE		0.31 mg/l					

Silica, amorphous								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Dermal	LD ₅₀		>2000 mg/kg		Rabbit			BL dodavatele
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat			BL dodavatele

Sodium dodecylpoly(oxyethylene) sulfate								
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD ₅₀		1600 mg/kg		Rat			BL dodavatele

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.

2-(2-butoxyethoxy)ethanol					
Route of exposure	Result	Method	Exposure time	Species	Source
Dermal	Slightly irritating			Rabbit	BL dodavatele

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended		 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024	Version	1.0
Revision date			

2-butoxyethanol					
Route of exposure	Result	Method	Exposure time	Species	Source
Dermal	Irritating	OECD 404		Rabbit	BL dodavatele

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)					
Route of exposure	Result	Method	Exposure time	Species	Source
	Corrosive				BL dodavatele

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.

2-butoxyethanol					
Route of exposure	Result	Method	Exposure time	Species	Source
Eye	Irritating	OECD 405		Rabbit	BL dodavatele

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)					
Route of exposure	Result	Method	Exposure time	Species	Source
	Serious eye damage				BL dodavatele

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.

2-(2-butoxyethoxy)ethanol						
Route of exposure	Result	Method	Exposure time	Species	Sex	Source
	Not sensitizing			Guinea-pig (Cavia aperea f. porcellus)		BL dodavatele

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)						
Route of exposure	Result	Method	Exposure time	Species	Sex	Source
Dermal	Sensitizing	OECD 406		Guinea-pig (Cavia aperea f. porcellus)		BL dodavatele
Dermal	Sensitizing	OECD 429		Mouse		BL dodavatele

Sensitization

2-butoxyethanol						
Route of exposure	Result	Method	Exposure time	Species	Sex	Source
Oral	Negative	OECD 406		Guinea-pig (Cavia aperea f. porcellus)		BL dodavatele

		SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended			
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI					
Creation date		21st June 2024		Version	
Revision date				1.0	

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.

2-(2-butoxyethoxy)ethanol						
Result	Method	Exposure time	Specific target organ	Species	Sex	Source
Negative						BL dodavatel e

2-butoxyethanol						
Result	Method	Exposure time	Specific target organ	Species	Sex	Source
Negative	OECD 474			Mouse	M	BL dodavatel e

Carcinogenicity

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	Method	Value	Exposure time	Result	Species	Sex	Source
					Negative			BL dodavate le

2-butoxyethanol								
Route of exposure	Parameter	Method	Value	Exposure time	Result	Species	Sex	Source
Inhalation	NOAEL	OECD 451	125 ppm	2 years (6 hour/day, 5 days/week)		Mouse	F/M	BL dodavate le
Inhalation	NOAEL	OECD 451	>125 ppm	2 years (6 hour/day, 5 days/week)		Rat (Rattus norvegicus)	F/M	BL dodavate le

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	Method	Value	Exposure time	Result	Species	Sex	Source
Effects on fertility					Negative			BL dodavate le

2-butoxyethanol								
Effect	Parameter	Method	Value	Exposure time	Result	Species	Sex	Source
Effects on fertility	NOAEL		720 mg/kg bw/day			Mouse	F/M	BL dodavate le

	SAFETY DATA SHEET		
	according to Regulation (EC) No 1907/2006 (REACH) as amended		
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024		Version
Revision date			1.0

2-butoxyethanol								
Effect	Parameter	Method	Value	Exposure time	Result	Species	Sex	Source
Developmental toxicity	NOAEL	OECD 414	483 mg/m³	10 days (6 hour/day)		Rat (Rattus norvegicus)	F	BL dodavatele

Toxicity for specific target organ - single 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.

Toxicity for specific target organ - repeated exposure
 Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Repeated dose toxicity

2-butoxyethanol								
Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex	Source
Oral	LOAEL		OECD 408	69 mg/kg	90 days (7 days/week)	Rat (Rattus norvegicus)	F/M	BL dodavatele
Inhalation (vapor)	LOAEL		OECD 413	31 ppm		Rat (Rattus norvegicus)	F/M	BL dodavatele
Dermal	NOAEL		OECD 411	150 mg/kg	90 days (5 days/week)	Rabbit	F/M	BL dodavatele

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.

Acute toxicity

2-(2-butoxyethoxy)ethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀		1300 mg/l	96 hours	Fish (Oncorhynchus mykiss)		BL dodavatele
EC ₅₀		>100 mg/l	48 hours	Invertebrates		BL dodavatele
EC ₅₀		>100 mg/l	96 hours	Algae (Selenastrum capricornutum)		BL dodavatele

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended		 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024	Version	1.0
Revision date			

2-(2-butoxyethoxy)ethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
EC ₅₀		255 mg/l		Microorganisms (Photobacterium phosphoreum)		BL dodavatel e

2-butoxyethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀	OECD 203	1474 mg/l	96 hours	Fish (Oncorhynchus mykiss)		BL dodavatel e
EC ₅₀	OECD 202	1550 mg/l	48 hours	Daphnia (Daphnia magna)		BL dodavatel e
ErC ₅₀	OECD 201	1840 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		BL dodavatel e
NOEC	OECD 201	286 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		BL dodavatel e
EC ₁₀		463 mg/l	48 hours	Bacteria		BL dodavatel e

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀		0.58 mg/l	96 hours	Fish (Danio rerio (danio pruhované))		BL dodavatel e
EC ₅₀		1.02 mg/l	48 hours	Daphnia (Daphnia magna (perloočka velká))		BL dodavatel e
EC ₅₀	OECD 201	0.379 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata (zelené řasy))		BL dodavatel e
EC ₁₀	OECD 201	0.188 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata (zelené řasy))		BL dodavatel e

Silica, amorphous						
Parameter	Method	Value	Exposure time	Species	Environment	Source
LC ₅₀	OECD 203	>10000 mg/l	96 hours	Fish (Danio rerio)		BL dodavatel e
EC ₅₀	OECD 202	>1000 mg/l	24 hours	Daphnia (Daphnia magna)		BL dodavatel e
EC ₅₀		120 mg/l	48 hours	Algae (Selenastrum capricornutum)		BL dodavatel e
NOEC		60 mg/l	48 hours	Algae (Selenastrum capricornutum)		BL dodavatel e

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended		 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI			
Creation date	21st June 2024	Version	1.0
Revision date			

Chronic toxicity

2-butoxyethanol						
Parameter	Method	Value	Exposure time	Species	Environment	Source
NOEC	OECD 204	>100 mg/l	21 days	Fish (Danio rerio)		BL dodavatel e
NOEC	OECD 211	100 mg/l	21 days	Daphnia (Daphnia magna)		BL dodavatel e

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

2-(2-butoxyethoxy)ethanol						
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301C	89-93 %	28 days		Biodegradable	BL dodavatel e
Biodegradace		100 %	28 hours	Activated sludge		BL dodavatel e
BSK ₅		27 %				BL dodavatel e
BSK ₁₀		60 %				BL dodavatel e
BSK ₂₀		81 %				BL dodavatel e

2-butoxyethanol						
Parameter	Method	Value	Exposure time	Environment	Result	Source
	OECD 301B	90.4 %	28 days	Activated sludge	Easily biodegradable	BL dodavatel e

reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1)						
Parameter	Method	Value	Exposure time	Environment	Result	Source
					Hardly biodegradable	BL dodavatel e

12.3. Bioaccumulative potential

Data for the mixture are not available.

2-(2-butoxyethoxy)ethanol						
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]	Source
Log Pow	<3					BL dodavatele

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended	 barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date Revision date	21st June 2024 	Version 1.0

12.4. Mobility in soil

Data for the mixture are not available.

2-(2-butoxyethoxy)ethanol					
Parameter	Value	Environment	Temperature	Result	Source
Log Koc	2			High	BL dodavatele

12.5. Results of PBT and vPvB assessment

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

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. 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.

Waste type code

08 01 12 waste paint and varnish other than those mentioned in 08 01 11

Packaging waste type code

15 01 02 plastic packaging

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

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended	 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date	21st June 2024	
Revision date		Version 1.0

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. 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).

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

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	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. 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. 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: "Do not use in paint spraying equipment".

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H310+H330	Fatal in contact with skin or if inhaled.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.

A list of additional standard phrases used in the safety data sheet

EUH208	Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7]and 2-methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
EUH071	Corrosive to the respiratory tract.

Other important information about human health protection

 Responsible Care® OUR COMMITMENT TO SUSTAINABILITY	SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) as amended	 COLORLAK barvy, které vydrží
V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI		
Creation date Revision date	21st June 2024	Version 1.0

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
BOD	Biochemical oxygen demand
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 ₁₀	Concentration of a substance when it is affected 10% of the population
EC ₅₀	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
LC ₀	Lethal concentration of a substance in which it can be expected death of 0% of the population
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEL	Lowest observed adverse effect level
log K _{ow}	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

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization

Training guidelines

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



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended



V1422 Water-Based Acrylate Varnish for Wood AQUASPORT UNI

Creation date

21st June 2024

Revision date

Version

1.0

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.