

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022  
Revision date 09th February 2023 Version 7.0

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

- 1.1. Product identifier**  
Substance / mixture Zmywacz PCB alkoholowy  
UFI mixture KT10-K0FK-D00F-QTGN
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Cleaning agent.  
**Main intended use**  
PC-CLN-2 All-purpose (or multi-purpose) non-abrasive cleaners  
**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 AG TermoPasty Grzegorz Gąsowski  
Address Kolejowa 33 E, Sokoły, 18-218  
Poland  
Identification number (CRN) 200133730  
VAT Reg No PL9661767714  
Phone 862741342  
E-mail biuro@termopasty.pl  
Web address www.termopasty.pl
- Competent person responsible for the safety data sheet**  
Name AG TermoPasty Grzegorz Gąsowski  
E-mail biuro@termopasty.pl
- 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 classified as dangerous.

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H336  
Aquatic Chronic 2, H411

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

#### Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

#### Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.  
Causes skin irritation. Toxic to aquatic life with long lasting effects.

- 2.2. Label elements**

#### Hazard pictogram



#### Signal word

Danger

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022  
Revision date 09th February 2023 Version 7.0

### Hazardous substances

propan-2-ol  
acetone  
pentane  
Hydrocarbons, C6, isoalkanes, <5% n-hexane

### Hazard statements

H225 Highly flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25-XXXX	propan-2-ol	40-60	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	2
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49-XXXX	acetone	15-25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	2
Index: 601-006-00-1 CAS: 109-66-0 EC: 203-692-4 Registration number: 01-2119459286-30-XXXX	pentane	11,25-13,75	Flam. Liq. 1, H224 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH066	1, 2

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022

Revision date 09th February 2023

Version

7.0

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 931-254-9 Registration number: 01-2119459286-30-XXXX	Hydrocarbons, C6, isoalkanes, <5% n-hexane	11,25-13,75	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	

### Notes

- Note 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.
- A substance for which exposure limits are set.

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 unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

#### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

#### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water/shower.

#### 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. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

#### If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

#### If inhaled

Cough, headache. May cause drowsiness or dizziness.

#### If on skin

Causes skin irritation.

#### If in eyes

Causes serious eye irritation.

#### If swallowed

Irritation, nausea.

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

Symptomatic treatment.

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022  
Revision date 09th February 2023 Version 7.0

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

##### Unsuitable extinguishing media

Water - full jet.

#### 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.

#### 5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

### SECTION 6: Accidental release measures

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

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols. Prevent contact with skin and eyes.

#### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

#### 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 flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale aerosols. Prevent contact with skin and eyes. No smoking. Use only non-sparking tools. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Avoid release to the environment.

#### 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. Do not expose to sunlight. Store locked up. Keep container tightly closed. Keep cool.

Content	Packaging type	Material of package
1000 ml	jerry can	FE
5000 ml	jerry can	FE

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

#### 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.

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022

Revision date 09th February 2023

Version

7.0

### European Union

### Commission Directive 2000/39/EC

Substance name (component)	Type	Value
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m <sup>3</sup>
	OEL 8 hours	500 ppm

### European Union

### Commission Directive 2006/15/EC

Substance name (component)	Type	Value
pentane (CAS: 109-66-0)	OEL 8 hours	3000 mg/m <sup>3</sup>
	OEL 8 hours	1000 ppm

### United Kingdom

### EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
propan-2-ol (CAS: 67-63-0)	WEL 8h	999 mg/m <sup>3</sup>
	WEL 8h	400 ppm
	WEL 15min	1250 mg/m <sup>3</sup>
	WEL 15min	500 ppm
acetone (CAS: 67-64-1)	WEL 8h	1210 mg/m <sup>3</sup>
	WEL 8h	500 ppm
	WEL 15min	3620 mg/m <sup>3</sup>
	WEL 15min	1500 ppm
pentane (CAS: 109-66-0)	WEL 8h	1800 mg/m <sup>3</sup>
	WEL 8h	600 ppm

### DNEL

acetone

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2420 mg/m <sup>3</sup>	Acute effects local		
Workers	Dermal	186 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	1210 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Dermal	62 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	200 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Oral	62 mg/kg bw/day	Chronic effects systemic		

propan-2-ol

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

### PNEC

acetone

Route of exposure	Value	Value determination	Source
Drinking water	10.6 mg/l		

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022

Revision date 09th February 2023

Version

7.0

acetone

Route of exposure	Value	Value determination	Source
Marine water	1.06 mg/l		
Sea sediments	30.4 mg/kg of food		
Freshwater sediment	30.4 mg/kg of food		
Soil (agricultural)	29.5 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	100 mg/l		

propan-2-ol

Route of exposure	Value	Value determination	Source
Drinking water	140.9 mg/l		
Marine water	140.9 mg/l		
Freshwater sediment	552 mg/kg		
Sea sediments	552 mg/kg		
Soil (agricultural)	28 mg/kg		

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. 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

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### Respiratory protection

Mask with a filter against organic vapours in a poorly ventilated environment.

#### Thermal hazard

Data not available.

#### Environmental exposure controls

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

## SECTION 9: Physical and chemical properties

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

Physical state	liquid
Colour	colourless
Odour	data not available
Melting point/freezing point	-88 °C
Boiling point or initial boiling point and boiling range	82 °C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	
bottom	2 %
upper	12,7 %
Flash point	13 °C
Auto-ignition temperature	425 °C
Decomposition temperature	data not available
pH	non-polar/aprotic
Kinematic viscosity	data not available
Viscosity	2,4
Solubility in water	data not available

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date	13th September 2022	Version	7.0
Revision date	09th February 2023		

Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	0,78 g/cm <sup>3</sup>
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

### 9.2. Other information

Evaporation rate	data not available
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## 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

No toxicological data is available for the mixture.

#### Acute toxicity

Based on available data the classification criteria are not met.  
acetone

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	5800 mg/kg		Rat (Rattus norvegicus)	
Inhalation (vapor)	LC <sub>50</sub>	76000 mg/m <sup>3</sup>	4 hours	Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	7400 mg/kg		Rabbit	
Dermal	LD <sub>50</sub>	7400 mg/kg		Guinea-pig (Cavia aperea f. porcellus)	

pentane

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>2000 mg/kg		Rat	
Inhalation	LD <sub>50</sub>	364 mg/m <sup>3</sup>	4 hours	Rat	

propan-2-ol

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	5840 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	13400 mg/kg		Rabbit	

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022

Revision date 09th February 2023

Version

7.0

propan-2-ol

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LC <sub>50</sub>	25000 mg/m <sup>3</sup>	4 hours	Rat (Rattus norvegicus)	

### Skin corrosion/irritation

Causes skin irritation.

### Serious eye damage/irritation

Causes serious eye irritation.

acetone

Route of exposure	Result	Method	Exposure time	Species
Eye		OECD 405		

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

May be fatal if swallowed and enters airways. 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.

pentane

Route of exposure	Result	Exposure time	Species	Sex
	Positive			

## 11.2. Information on other hazards

not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Toxic to aquatic life with long lasting effects.

acetone

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	8800 mg/l	48 hours	Invertebrates	Fresh water
LC <sub>50</sub>	2100 mg/l	24 hours	Invertebrates	Salt water
LOEC	530 mg/l	8 days	Algae and other aquatic plants	Fresh water
NOEC	430 mg/l	96 hours	Algae and other aquatic plants	Salt water
LC <sub>50</sub>	5540 mg/l	96 hours	Fish (Oncorhynchus mykiss)	Fresh water
LC <sub>50</sub>	11000 mg/l	96 hours	Fish	Salt water



# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date 13th September 2022

Revision date 09th February 2023

Version

7.0

propan-2-ol

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	9640 mg/l	96 hours	Fish (Pimephales promelas)	
LC <sub>50</sub>	>10000 mg/l	24 hours	Aquatic invertebrates (Daphnia magna)	
LOEC	1000 mg/l	8 days	Algae (Selenastrum capricornutum)	

### Chronic toxicity

acetone

Parameter	Value	Exposure time	Species	Environment
NOEC	2212 mg/l	24 hours	Invertebrates (Daphnia magna)	

### 12.2. Persistence and degradability

Data not available.

### 12.3. Bioaccumulative potential

Data not available.

### 12.4. Mobility in soil

Data not available.

### 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

Data 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

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

#### Packaging waste type code

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

UN 1993

### 14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (isopropyl alcohol)

### 14.3. Transport hazard class(es)

3 Flammable liquids

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date	13th September 2022	Version	7.0
Revision date	09th February 2023		

### 14.4. Packing group

III - substances presenting low danger

### 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

#### Additional information

Hazard identification No.

30

UN number

1993

Classification code

F1

Safety signs

3+ hazardous for the environment



#### Road transport - ADR

Special provisions

274, 601

Limited quantities

5 L

Excepted quantities

E1

#### Packaging

Packing instructions

P001, IBC03, LP01, R001

Mixed packing provisions

MP19

#### Portable tanks and bulk containers

Guidelines

T4

Special provisions

TP1, TP29

#### ADR tank

Tank code

LGBF

Vehicles for tank carriage

FL

Transport category

3

Tunnel restriction code

(D/E)

#### Special provision for

packages

V12

operation

S2

#### Railway transport - RID

Special provisions

274, 601

Excepted quantities

E1

#### Packaging

Packing instructions

P001, IBC03, LP01, R001

Mixed packing provisions

MP19

#### Portable tanks and bulk containers

Guidelines

T4

Special provisions

TP1, TP29

#### RID Tanks

Tank code

LGBF

Transport category

0

#### Special provision for

packages

W 12

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date	13th September 2022		
Revision date	09th February 2023	Version	7.0

### 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. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9.

#### 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

H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

EUH066	Repeated exposure may cause skin dryness or cracking.
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#### 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
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

# SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

## Zmywacz PCB alkoholowy

Creation date	13th September 2022	Version	7.0
Revision date	09th February 2023		

IUPAC	International Union of Pure and Applied Chemistry
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
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
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
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.

### The changes (which information has been added, deleted or modified)

The version 7.0 replaces the SDS version from 13 September 2022. Changes were made in sections 1, 2, 12, 13, 15 and 16.

### 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.