

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

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

- 1.1. Product identifier**
Substance / mixture Zmywacz PCB PLUS
mixture
UFI 6520-M075-M00F-C5TW
- 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.

Aerosol 1, H229, H222
Eye Irrit. 2, H319
STOT SE 3, H336
Aquatic Chronic 3, H412

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

Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

Most serious adverse effects on human health and the environment

Causes serious eye irritation. May cause drowsiness or dizziness. Harmful 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 PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

Hazardous substances

isopropanol
pentane
Hydrocarbons, C6, isoalkanes, <5% n-hexane
1-ethoxypropan-2-ol
butanone

Hazard statements

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful 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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
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.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7	butane	33-44	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	2
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25-XXXX	isopropanol	<20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	2
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9	propane	11-22	Flam. Gas 1, H220 Press. Gas (compressed gas), H280	
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43-XXXX	ALCOHOL	5-15	Flam. Liq. 2, H225 Eye Irrit. 2, H319	2
Index: 601-006-00-1 CAS: 109-66-0 EC: 203-692-4 Registration number: 01-2119459286-30-XXXX	pentane	<5	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 PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

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	<5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
Index: 603-177-00-8 CAS: 1569-02-4 EC: 216-374-5 Registration number: 01-2119462792-32-XXXX	1-ethoxypropan-2-ol	<5	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H336	
CAS: 109-87-5 EC: 203-714-2 Registration number: 01-2119664881	dimethoxymethane	<5	Flam. Liq. 2, H225	2
Index: 603-001-00-X CAS: 67-56-1 EC: 200-659-6	methanol	<0,5	Flam. Liq. 2, H225 Acute Tox. 3, H301, H311, H331 STOT SE 1, H370 Specific concentration limit: STOT SE 1, H370: C ≥ 10 % STOT SE 2, H371: 3 % ≤ C < 10 %	2, 4
Index: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43-XXXX	butanone	<0,5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	2, 3

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.
- Substance for which biological limit values exist.
- 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

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. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

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

Unlikely.

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

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

If inhaled

May cause drowsiness or dizziness.

If on skin

Not expected.

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.

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

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. 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. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale gases and vapours. Prevent contact with skin and eyes.

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

Ventilate the room. 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.

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 gases and vapours. Prevent contact with skin and eyes. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. 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. 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. Store locked up. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Content	Packaging type	Material of package
400 ml	airspray	FE
100 ml	airspray	FE

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

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
butanone (CAS: 78-93-3)	OEL 8 hours	600 mg/m ³	
	OEL 8 hours	200 ppm	
	OEL 15 minutes	900 mg/m ³	
	OEL 15 minutes	300 ppm	

European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
pentane (CAS: 109-66-0)	OEL 8 hours	3000 mg/m ³	
	OEL 8 hours	1000 ppm	
methanol (CAS: 67-56-1)	OEL 8 hours	260 mg/m ³	Skin
	OEL 8 hours	200 ppm	

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
butane (CAS: 106-97-8)	WEL 8h	1450 mg/m ³	
	WEL 8h	600 ppm	
	WEL 15min	1810 mg/m ³	
	WEL 15min	750 ppm	
isopropanol (CAS: 67-63-0)	WEL 8h	999 mg/m ³	
	WEL 8h	400 ppm	
	WEL 15min	1250 mg/m ³	
	WEL 15min	500 ppm	
ALCOHOL (CAS: 64-17-5)	WEL 8h	1920 mg/m ³	
	WEL 8h	1000 ppm	
pentane (CAS: 109-66-0)	WEL 8h	1800 mg/m ³	
	WEL 8h	600 ppm	
dimethoxymethane (CAS: 109-87-5)	WEL 8h	3160 mg/m ³	
	WEL 8h	1000 ppm	
	WEL 15min	3950 mg/m ³	
	WEL 15min	1250 ppm	
methanol (CAS: 67-56-1)	WEL 8h	266 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	200 ppm	

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
methanol (CAS: 67-56-1)	WEL 15min	333 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 15min	250 ppm	
butanone (CAS: 78-93-3)	WEL 8h	600 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	200 ppm	
	WEL 15min	899 mg/m ³	
	WEL 15min	300 ppm	

Biological limit values

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Name	Parameter	Value	Tested material	Time of sampling
butanone (CAS: 78-93-3)	Butan-2-one	70 µmol/l	Urine	End of shift

DNEL

1-ethoxypropan-2-ol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	466 mg/m ³	Acute effects systemic		
Consumers	Inhalation	300 mg/m ³	Acute effects systemic		
Workers	Dermal	74 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	211 mg/m ³	Chronic effects systemic		
Consumers	Dermal	44.3 mg/kg bw/day	Chronic effects systemic		

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

1-ethoxypropan-2-ol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Inhalation	127 mg/m ³	Chronic effects systemic		
Consumers	Oral	14 mg/kg bw/day	Chronic effects systemic		

ALCOHOL

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	343 mg/kg bw/day	Chronic effects local		
Workers	Inhalation	950 mg/m ³	Chronic effects local		
Workers	Inhalation	1900 mg/m ³	Acute effects systemic		
Consumers	Inhalation	114 mg/m ³	Chronic effects local		
Consumers	Inhalation	950 mg/m ³	Acute effects systemic		
Consumers	Dermal	206 mg/kg bw/day	Chronic effects local		
Consumers	Oral	87 mg/kg bw/day	Chronic effects local		

butanone

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	600 mg/m ³	Chronic effects systemic		
Workers	Dermal	1161 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	106 mg/m ³	Chronic effects systemic		
Consumers	Dermal	112 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	31 mg/kg bw/day	Chronic effects systemic		

dimethoxymethane

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	17.9 mg/kg	Chronic effects systemic		
Workers	Inhalation	126.6 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	31.5 mg/m ³	Chronic effects systemic		
Consumers	Dermal	18.1 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	18.1 mg/kg bw/day	Chronic effects systemic		

isopropanol

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

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

PNEC

1-ethoxypropan-2-ol

Route of exposure	Value	Value determination	Source
Drinking water	10 mg/l		
Marine water	1 mg/l		
Sea sediments	3.76 mg/kg		
Freshwater sediment	37.6 mg/kg		
Microorganisms in sewage treatment	1250 mg/l		
Soil (agricultural)	1.97 mg/kg		
Water (intermittent release)	19 mg/l		

ALCOHOL

Route of exposure	Value	Value determination	Source
Drinking water	0.96 mg/l		
Marine water	0.79 mg/l		
Freshwater sediment	3.6 mg/kg of dry substance		
Sea sediments	2.9 mg/kg of dry substance		
Soil (agricultural)	0.63 mg/kg of dry substance		
Microorganisms in sewage treatment	580 mg/l		
Water (intermittent release)	2.75 mg/l		

butanone

Route of exposure	Value	Value determination	Source
Drinking water	55.8 mg/kg		
Marine water	55.8 mg/kg		
Sea sediments	284.74 mg/kg of dry substance		
Freshwater sediment	284.7 mg/kg of dry substance		
Soil (agricultural)	22.5 mg/kg of dry substance		

dimethoxymethane

Route of exposure	Value	Value determination	Source
Drinking water	14.577 mg/l		
Marine water	1.4577 mg/l		
Sea sediments	1.3135 mg/kg		
Freshwater sediment	13.135 mg/kg		
Soil (agricultural)	4.6538 mg/kg		
Microorganisms in sewage treatment	10.000 mg/l		

isopropanol

Route of exposure	Value	Value determination	Source
Drinking water	140.9 mg/l		
Marine water	140.9 mg/l		
Freshwater sediment	552 mg/kg of dry substance		

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

isopropanol

Route of exposure	Value	Value determination	Source
Freshwater environment	552 mg/kg of dry substance		
Soil (agricultural)	28 mg/kg of dry substance		

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. Contaminated skin should be washed thoroughly.

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

Data 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	gas
Colour	colourless
Odour	data not available
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	Extremely flammable aerosol.
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	gas
Kinematic viscosity	data not available
Solubility in water	data not available
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	data not available
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

9.2. Other information

Evaporation rate	non-applicable
------------------	----------------

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

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. Pressurised container: May burst if heated.

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 available data the classification criteria are not met.

1-ethoxypropan-2-ol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>5000 mg/kg		Rat	
Dermal	LD ₅₀		>5000 mg/kg		Rabbit	

ALCOHOL

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Inhalation	LC ₅₀		20000 ppm	10 hours	Rat (<i>Rattus norvegicus</i>)	
Inhalation	LC ₅₀		39 mg/m ³	4 hours	Mouse	
Oral	LD ₅₀		7060 mg/kg		Rat (<i>Rattus norvegicus</i>)	
Oral	LD ₅₀		3450 mg/kg		Mouse	
Oral	LD ₅₀		6300 mg/kg		Rabbit	

butanone

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>2000 mg/kg		Rat	
Dermal	LD ₅₀		>2000 mg/kg		Rat	

dimethoxymethane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		6423 mg/kg		Rat	
Dermal	LD ₅₀	OECD 402	>5000 mg/kg		Rabbit	

isopropanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Inhalation	LC ₅₀		>5 mg/l	4 hours	Rat	
Oral	LD ₅₀		>2000 mg/kg		Rat	
Skin	LD ₅₀		>2000 mg/kg		Rabbit	

methanol

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		1187-2769 mg/kg		Rat	
Dermal	LD ₅₀		17100 mg/kg		Rabbit	
Inhalation	LC ₅₀		128.2 mg/l	4 hours		

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

pentane

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

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

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.

methanol

Route of exposure	Parameter	Value	Result	Species	Sex
Oral	NOAEL	466-529 mg/kg			

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

pentane

Route of exposure	Result	Exposure time	Species	Sex
	Negative			

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

Acute toxicity

Harmful to aquatic life with long lasting effects.

1-ethoxypropan-2-ol

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		>100 mg/l		Fish	
EC ₅₀		>100 mg/l		Crustaceans	
EC ₅₀		>100 mg/l		Higher plants	
NOEC		>100 mg/l		Fish	

ALCOHOL

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		12900-15300 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀		34900 mg/l	5-30 minutes	Bacteria	

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

butanone

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		>100 mg/l	48 hours	Fish (Leuciscus idus)	
EC ₅₀		>100 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀		>100 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

dimethoxymethane

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	>1000 g/l	96 hours	Fish (Danio rerio)	
EC ₅₀	OECD 202	>1200 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀		>10 g/l		Other aquatic organisms	
LC ₅₀		6.99 g/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀		9.120 mg/l	72 hours	Algae and other aquatic plants	
EC ₅₀		874.12 mg/l	96 hours	Algae and other aquatic plants	
NOEC		150.5 mg/l		Aquatic invertebrates (Daphnia magna)	

isopropanol

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		>100 mg/l	48 hours	Fish (Leuciscus idus)	
EC ₅₀		>100 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀		>100 mg/l	72 hours	Algae (Scenedesmus subspicatus)	

Chronic toxicity

1-ethoxypropan-2-ol

Parameter	Value	Exposure time	Species	Environment
NOEC	>100 mg/l		Crustaceans	
IC ₅₀	>100 mg/l		Microorganisms	

12.2. Persistence and degradability

Biodegradability

1-ethoxypropan-2-ol

Parameter	Value	Exposure time	Environment	Result
	87.7 %	28 days		

not available

12.3. Bioaccumulative potential

1-ethoxypropan-2-ol

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	3.16				

dimethoxymethane

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	0				

Data not available.

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

12.4. Mobility in soil

dimethoxymethane

Parameter	Value	Environment	Temperature
Log Koc	0.7439		

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

16 05 04 gases in pressure containers (including halons) containing hazardous substances *

Packaging waste type code

15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers *

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

SECTION 14: Transport information

14.1. UN number or ID number

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

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

SAFETY DATA SHEET

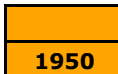


according to Commission Regulation (EU) 2020/878 as amended

Zmywacz PCB PLUS

Creation date 21st September 2022
Revision date 06th February 2023 Version 5.0

Additional information

Hazard identification No. 
UN number 1950
Classification code 5F
Safety signs 2.1



Air transport - ICAO/IATA

Packaging instructions passenger 203
Cargo packaging instructions 203

Marine transport - IMDG

EmS (emergency plan) F-D, S-U
MFAG 620

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.

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

methanol

Restriction	Conditions of restriction
69	Shall not be placed on the market to the general public after 9 May 2019 in windscreen washing or defrosting fluids, in a concentration equal to or greater than 0,6 % by weight.

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

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H224 Extremely flammable liquid and vapour.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.
H371 May cause damage to organs.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

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.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- 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.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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

- EUH066 Repeated exposure may cause skin dryness or cracking.

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
- EC₅₀ 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
- IC₅₀ Concentration causing 50% blockade
- 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
- LC₅₀ Lethal concentration of a substance in which it can be expected death of 50% of the population
- LD₅₀ Lethal dose of a substance in which it can be expected death of 50% of the population
- log Kow 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

SAFETY DATA SHEET



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

Zmywacz PCB PLUS

Creation date	21st September 2022	Version	5.0
Revision date	06th February 2023		

Aerosol	Aerosol
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
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 5.0 replaces the SDS version from 21 September 2022. Changes were made in sections 1, 2, 13, 15 and 16.

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.