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In accordance with Regulation (EC) No. 2020/878 of June 18, 2020 amending Annex II to Regulation No. 1907/2006								
	European Parliament and of the Council on the registration, evaluation, authorization and							
	·	applicable restrictions on chemicals (REACH						
		AUTO-PROMYK "W"						
Creati	on date 03rd	uly 2023						
Revisi	on date	Version	2.0 EU					
SECTIC	ON 1: Identification of the substance/r	nixture and of the company/undertaking						
1.1.	Product identifier	AUTO-PROMY	K "W"					
	Substance / mixture	mixture						
	UFI	CAHW-504X-C	004-5V7F					
1.2.	Relevant identified uses of the sub	Relevant identified uses of the substance or mixture and uses advised against						
	Mixture's intended use							
	Liquid designed for car windshield washers. Does not smear or leave streaks. Resistant to freezing.							
	Main intended use							
	PC-CLN-17.8 Windscreen/windshield wash fluid							
	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		P.W. ROKO Robert Komorniczak					
	Address	-	ul. Wąska 23, Komorniki, 62-052					
		Poland						
	Identification number (CRN							
	VAT Reg No	PL7810004269						
	Phone		+48618107819					
	E-mail	_	biuro@rokochemia.pl					
	Web address	rokochemia.pl						
	Competent person responsible for							
	Name		bert Komorniczak					
	E-mail	biuro@rokoch	emia.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. 3, H226

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

2.2. Label elements

Hazard pictogram



Hazard statements

nazaru statements	
H226	Flammable liquid and vapour.
Precautionary statements	
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.



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P241	Use explosion-pro	Use explosion-proof electrical/ventilating/lighting equipment.				
P242	Use non-sparking	Use non-sparking tools.				
P370+P378	In case of fire: Use	powder extinguisher/sand/carbon	der extinguisher/sand/carbon dioxide to extinguish.			
P403+P235	Store in a well-ver	Store in a well-ventilated place. Keep cool.				
•		of contents/container to by handing over to the person authorized to dispose of waste or by g to the supplier.				

Supplemental information

<5 % anionic surfactants, <5 % EDTA and salts thereof, perfumes, colorant

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: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ethanol	15-30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	
Index: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 Registration number: 01-2119456816-28-XXXX	ethanediol	<5	Acute Tox. 4, H302 STOT RE 2, H373 (ingestion)	1

Notes

1 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 inhaled

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

If on skin

Remove contaminated clothes.

If in eyes

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

If swallowed

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

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

If inhaled Not expected. If on skin Not expected. If in eyes Not expected.

If swallowed

Not expected.



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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1.

- Extinguishing media
 - Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

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

SECTION 6: Accidental release measures

6.1.	Personal precautions, protective equipment and emergency procedures				
	Follow the instructions in the Sections 7 and 8.				
6.2.	Environmental precautions				

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

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

Content	Packaging type	Material of package
5	jerry can	HDPE
10	jerry can	HDPE
20	jerry can	HDPE
200	barrel / drum	HDPE

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)	Туре	Value	Note
	OEL 8 hours	52 mg/m ³	
ethanediol (CAS: 107-21-1)	OEL 8 hours	20 ppm	Skin
	OEL 15 minutes	104 mg/m ³	



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European Union

European Union	Commission Directive 2000/39/EC		
Substance name (component)	Туре	Value	Note
ethanediol (CAS: 107-21-1)	OEL 15 minutes	40 ppm	Skin

DNEL

ethanediol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	106 mg/kg	Chronic effects systemic		
Workers	Inhalation	35 mg/m³	Chronic effects local		
Consumers	Dermal	53 mg/kg	Chronic effects systemic		
Consumers	Inhalation	7 mg/m³	Chronic effects local		
ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	950 mg/m ³	Chronic effects systemic		
Workers (0)	Inhalation	1900 mg/m³	Acute effects systemic		
Workers (0)	Dermal	343 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	114 mg/m ³	Chronic effects systemic		
Consumers (0)	Inhalation	950 mg/m ³	Acute effects systemic		
Consumers (0)	Dermal	206 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Oral	87 mg/kg bw/day	Chronic effects systemic		

PNEC

e	th	aı	ne	d	io

Route of exposure	Value	Value determination	Source
Drinking water 10 mg/l			
Marine water	1 mg/l		
Freshwater sediment	37 mg/kg		
Sea sediments	3.7 mg/kg		
Microorganisms in sewage treatment	199.5 mg/l		
Soil (agricultural)	1.53 mg/kg		
ethanol			
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 of soil		
Microorganisms in sewage treatment	580 mg/l		
Water (intermittent release)	2.75 mg/l		



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.2.	Exposure controls			
	Do not eat, drink and smoke during work. Wash y	our hands thoroughly with water and soap a	ter work and before breaks for a mo	eal and rest.
	Eye/face protection			
	It is not needed.			
	Skin protection			
	When handling in long-term or repeatedly, use pr	otective gloves.		
	Respiratory protection			
	Halfmask with a filter against organic vapours or a exceeded or in a poorly ventilated environment.	a self-contained breathing apparatus as appro	ppriate if exposure limit values of su	bstances are
	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	colourless, blue, yellow
color intensity	transparent
Odour	according to fragrance
Melting point/freezing point	<-20 °C
Boiling point or initial boiling point and boiling range	>84 °C
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	>23 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
рН	10-11 (undiluted at 20 °C)
Kinematic viscosity	data not available
Solubility in water	easily dissolvable in cold water
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	0,95-0,99 g/cm³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid
Other information	
not available	

SECTION 10: Stability and reactivity

9.2.

 10.1. Reactivity not available
10.2. Chemical stability The product is stable under normal conditions.
10.3. Possibility of hazardous reactions

Unknown.



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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 available data the classification criteria are not met.

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Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	ATE	15620 mg/kg				Calculation of value
ethanediol	_					
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	7712 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	>3500 mg/kg		Mouse		
Inhalation	LC ₅₀	>2.5 mg/l	6 hours	Rat (Rattus norvegicus)	F/M	
Inhalation (aerosols)	NOAEC	150 mg/m ³		Rat (Rattus norvegicus)	F	
Oral	NOAEL	1000 mg/kg		Rat (Rattus norvegicus)	F	
Oral	NOEL	500 mg/kg		Rat (Rattus norvegicus)		

ethanol

Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Inhalation	LC ₅₀	20000 ppm	10 hours	Rat (Rattus norvegicus)		
Inhalation	LC ₅₀	39 mg/m ³	4 hours	Mouse		
Oral	LD₅o	7060 mg/kg		Rat (Rattus norvegicus)		
Oral	LD ₅₀	3450 mg/kg		Mouse		
Oral	LD ₅₀	6300 mg/kg		Rabbit		

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

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.



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Reproductive toxicity				

Based on available data the classification criteria are not met. **Toxicity for specific target organ - single exposure** Based on available data the classification criteria are not met. **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.

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

ethanediol	
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ethanealoi				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	72860 mg/l	96 hours	Fish (Pimephales promelas)	
EC ₅₀	13900-57600 mg/l	48 hours	Daphnia (Daphnia magna)	
	6500-13000 mg/l	96 hours	Algae and other aquatic plants (Pseudokirchneriella subcapitata)	
NOEC	15380 mg/l	72 days	Fish (Pimephales promelas)	
NOEC	8590 mg/l	7 days	Aquatic invertebrates	
ethanol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	12900-15300 mg/l	96 hours	Fish	
EC₅o	34900 mg/l	5-30 minutes	Bacteria	

12.2. Persistence and degradability

Biodegradability ethanediol

Parameter	Value	Exposure time	Environment	Result
	90-100 %			

The mixture is biodegradable. 12.3. Bioaccumulative potential

ethanediol

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Koc	0				
Log Kow	-1.36				

Not available.

12.4. Mobility in soil 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.



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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.

SECTION 14: Transport information

- 14.1. UN number or ID number
 - not subject to transport regulations
- 14.2. UN proper shipping name not relevant
- 14.3. Transport hazard class(es)
- not relevant 14.4. Packing group
- not relevant
- 14.5. Environmental hazards not relevant
- 14.6. Special precautions for user
 - Reference in the Sections 4 to 8.
- 14.7. Maritime transport in bulk according to IMO instruments not relevant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used i	in the safety data sheet
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
Guidelines for safe handling used in	the safety data sheet
P102	Keep out of reach of children.



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P210	Keep away from h	eat, hot surfaces, sparks, open fla	mes and other ignition sources. No smoking.
P240		container and receiving equipment	
P241	Use explosion-pro	of electrical/ventilating/lighting e	quipment.
P242	Use non-sparking	tools.	
P370+P378		powder extinguisher/sand/carbo	on dioxide to extinguish.
P403+P235		itilated place. Keep cool.	
P501			o the person authorized to dispose of waste or by
	returning to the su		
Other important in	formation about human health protec	tion	
	ot be - unless specifically approved by Iherence to all related health protectio		for purposes other than as per the Section 1. The us
Key to abbreviation	is and acronyms used in the safety dat	ta sheet	
ADR	European agreeme	ent concerning the international c	arriage of dangerous goods by road
BCF	Bioconcentration F	actor	
CAS	Chemical Abstracts	s Service	
CLP	Regulation (EC) No	1272/2008 on classification, labe	lling and packaging of substance and mixtures
EC	Identification code	for each substance listed in EINE	cs
EC ₅₀	Concentration of a	substance when it is affected 509	% of the population
EINECS		y of Existing Commercial Chemica	
EmS	Emergency plan		
EU	European Union		
EuPCS	•	Categorisation System	
ΙΑΤΑ		ransport Association	
IBC		1	nent of Ships Carrying Dangerous Chemicals
ICAO		Aviation Organization	
IMDG		time Dangerous Goods	
IMO	International Mari	-	
INCI		enclature of Cosmetic Ingredients	
ISO		nization for Standardization	
IUPAC		n of Pure and Applied Chemistry	
LC ₅₀			be expected death of 50% of the population
LD ₅₀			ed death of 50% of the population
log Kow	Octanol-water parti		
NOAEC	1	rse effect concentration	
NOAEL	No observed adver		
NOEC	No observed effect		
NOEL	No observed effec		
OEL	Occupational Expo		
PBT		imulative and Toxic	
	Parts per million		
ppm REACH	•	ation, Authorisation and Restricti	on of Chomicals
RID	•	transport of dangerous goods by	
UN	-		or article taken from the UN Model Regulations
	-		_
UVCB VOC	Volatile organic co		mplex reaction products or biological materials
vPvB	-	d very Bioaccumulative	
Acute Tox.	Acute toxicity		
Eye Irrit.	Eye irritation		
, Flam. Liq.	, Flammable liquid		
STOT RE		an toxicity - repeated exposure	



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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

03rd July 2023

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 2.0 replaces the SDS version from 02 January 2023. Changes were made in sections 1, 2, 11, 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.