

# SAFETY DATA SHEET

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)


## AUTOMATIC FLASH dishwasher rinse aid

Creation date	26th June 2023	Version	5.1 EU
Revision date			

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

- 1.1. Product identifier**  
Substance / mixture AUTOMATIC FLASH dishwasher rinse aid  
UFI mixture  
HK2W-50QE-A00Y-A804
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Rinsing liquid for machine-washed dishes. Facilitates drying and prevents streaking.  
**Main intended use**  
PC-DET-3.2 Automatic dishwashing detergents - professional or industrial use  
**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) 632379987  
VAT Reg No PL7810004269  
Phone +48618107819  
E-mail biuro@rokochemia.pl  
Web address rokochemia.pl  
**Competent person responsible for the safety data sheet**  
Name P.W. ROKO Robert Komorniczak  
E-mail biuro@rokochemia.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.  
Skin Corr. 1, H314  
Full text of all classifications and hazard statements is given in the section 16.  
**Most serious adverse effects on human health and the environment**  
Causes severe skin burns and eye damage. Harmful to aquatic life with long lasting effects.
- 2.2. Label elements**  
**Hazard pictogram**  
  
**Signal word**  
Danger  
**Hazard statements**  
H314 Causes severe skin burns and eye damage.  
**Precautionary statements**  
P102 Keep out of reach of children.

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## AUTOMATIC FLASH dishwasher rinse aid

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P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
P405	Store locked up.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

**Supplemental information**

<5 % anionic surfactants, <5 % non-ionic surfactants

**Requirements for child-resistant fastenings and tactile warning of danger**

Container must carry a tactile warning of danger. Container must be fitted with child-resistant fastening.

**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
CAS: 5949-29-1 EC: 201-069-1 Registration number: 01-2119457026-42-XXXX	Citric Acid Monohydrate	<10	Eye Irrit. 2, H319	
CAS: 68439-51-0	Alcohols, C12-14, ethoxylated propoxylated	<10	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 15763-76-5 EC: 239-854-6	Sodium p-cumenesulphonate	<3	Eye Irrit. 2, H319	

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. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse cautiously with water for several minutes. Rinse skin with water or 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. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

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Creation date	26th June 2023	Version	5.1 EU
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**If swallowed**

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

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

**If inhaled**

Inhaling vapours can cause corrosion of the breathing system.

**If on skin**

Causes severe skin burns.

**If in eyes**

Causes serious eye damage.

**If swallowed**

Corrosion of the digestion system can occur.

**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. 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**

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale mist/vapours/spray. 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**

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**

Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. 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.

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Revision date			

Content	Packaging type	Material of package
500 ml	bottle	PE
1000 ml	bottle	PE
2 l	jerry can	PE
5 l	jerry can	PE
10 l	jerry can	PE

**7.3. Specific end use(s)**  
not available

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

**8.1. Control parameters**

The mixture contains no substances for which occupational exposure limits are set.

**DNEL**

Sodium p-cumenesulphonate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	7.6 mg/kg bw/day	Chronic effects systemic		
Workers (0)	Inhalation	53.6 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers (0)	Dermal	3.8 mg/kg bw	Chronic effects systemic		
Consumers (0)	Inhalation	13.2 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers (0)	Oral	3.8 mg/kg bw	Chronic effects systemic		

**PNEC**

Sodium p-cumenesulphonate

Route of exposure	Value	Value determination	Source
Drinking water	0.23 mg/l		
Water (intermittent release)	2.3 mg/l		
Microorganisms in sewage treatment	100 mg/kg		

**8.2. Exposure controls**

Take off contaminated clothing and wash before reuse. 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. 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 or face shield (based on the nature of the work performed).

**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 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	colourless, blue

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Revision date			

color intensity	transparent
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	≥100 °C
Flammability	data not available
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	1-2 (undiluted)
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 and/or relative density	
Density	1,00-1,05 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid
Form	liquid
Form	solid: bulk
Form	solid: particulate/powder
Form	liquid

**9.2. Other information**  
not available

#### 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.

Alcohols, C12-14, ethoxylated propoxylated

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>		>2000 mg/kg		Rat (Rattus norvegicus)	

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Creation date	26th June 2023	Version	5.1 EU
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#### Citric Acid Monohydrate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>		11700 mg/kg		Rat (Rattus norvegicus)	
Oral	LD <sub>50</sub>		5040 mg/kg		Mouse	
Dermal	LD <sub>50</sub>		885 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>		961 mg/kg		Mouse	

#### Sodium p-cumenesulphonate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	OECD 401	2000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC <sub>50</sub>		5 mg/l	232 minutes	Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>		2000 mg/kg		Rabbit	

#### Skin corrosion/irritation

Causes severe skin burns and eye damage.

#### Serious eye damage/irritation

Causes severe skin burns and eye damage.

#### 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

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

Harmful to aquatic life with long lasting effects.

Alcohols, C12-14, ethoxylated propoxylated

Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>		>1-10 mg/l	96 hours	Fish	

##### Citric Acid Monohydrate

Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>		440-706 mg/l	96 hours	Fish (Carassius auratus)	

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Sodium p-cumenesulphonate

Parameter	Method	Value	Exposure time	Species	Environment
LC <sub>50</sub>		100 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC <sub>50</sub>	OECD 202	100 mg/l	48 hours	Daphnia (Daphnia magna)	
EC <sub>50</sub>		100 mg/l	96 hours	Algae (Selenastrum capricornutum)	

#### 12.2. Persistence and degradability

##### Biodegradability

Citric Acid Monohydrate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 302B	98 %	2 days		Easily biodegradable

Sodium p-cumenesulphonate

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301	>60 %	28 days		Easily biodegradable

The mixture is biodegradable.

#### 12.3. Bioaccumulative potential

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.

#### 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

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**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**SECTION 15: Regulatory information**

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

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

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information**

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

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

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

P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
P405	Store locked up.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

**Other important information about human health protection**

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

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

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



