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)

VIP activ CL washing and bleaching gel

Creation date	06th July 2023		
Revision date		Version	6.1 EU

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

1.1. Product identifier — VIP activ CL washing and bleaching gel

Substance / mixture — mixture

UFI — JEDN-5MXV-V00X-QJ82

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

Mixture's intended use

Washing and bleaching gel for cleaning sanitary facilities, washable surfaces and bleaching fabrics.

Main intended use

PC-CLN-3 — Bleaching products for cleaning or laundry use (excludes biocidal products)

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
Eye Dam. 1, H318
Aquatic Acute 1, H400
Aquatic Chronic 2, H411

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 serious eye damage. Causes severe skin burns and eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

sodium hypochlorite, solution… % Cl active

Hazard statements

H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

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.
P391	Collect spillage.
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 % phosphonates, <5 % anionic surfactants, <5 % non-ionic surfactants, <5 % chlorine-based bleaching agents, perfumes

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
Index: 017-011-00-1 CAS: 7681-52-9 EC: 231-668-3 Registration number: 01-2119488154-34-XXXX	sodium hypochlorite, solution… % Cl active	<5	Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH031 Specific concentration limit: EUH031: C ≥ 5 %	1
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119488639-16-XXXX	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Irrit. 2, H319: 5 % ≤ C < 10 % Eye Dam. 1, H318: C ≥ 10 %	
Index: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 Registration number: 01-2119457892-27-XXXX	sodium hydroxide	<1	Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Corr. 1A, H314: C ≥ 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 %	

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 308062-28-4 EC: 931-292-6 Registration number: 01-2119490061-47-xxxx	N-tlenek C12-14 - alkilodimetyloaminy	<1	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	

Notes

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

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

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. 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. Depending on the situation, call the medical rescue service and always ensure medical treatment. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Rinse skin with water or shower. Rinse cautiously with water for several minutes.

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.

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

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

Do not allow to enter drains. 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

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. 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.

Content	Packaging type	Material of package
750 ml	bottle	HDPE
1 l	bottle	HDPE
5 l	jerry can	HDPE
10 l	jerry can	HDPE
20 l	jerry can	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.

DNEL

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	2750 mg/kg	Chronic effects systemic		
Workers (0)	Inhalation	175 mg/m³	Chronic effects systemic		
Consumers (0)	Dermal	1650 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	52 mg/m³	Chronic effects systemic		
Consumers (0)	Oral	15 mg/kg bw/day	Chronic effects systemic		

N-tlenek C12-14 - alkilodimetyloaminy

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	6.2 mg/m³	Chronic effects systemic		
Workers	Dermal	11 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	5.5 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	1.53 mg/m³	Chronic effects systemic		
Consumers	Oral	0.44 mg/kg bw/day	Chronic effects systemic		

sodium hydroxide

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	1.0 mg/m³	Chronic effects local		
Consumers (0)	Inhalation	1.0 mg/m³	Chronic effects local		

sodium hypochlorite, solution... % Cl active

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	1.55 mg/m³	Chronic effects systemic		
Workers (0)	Inhalation	3.1 mg/m³	Acute effects systemic		
Workers (0)	Inhalation	1.55 mg/m³	Chronic effects local		
Workers (0)	Inhalation	3.1 mg/m³	Acute effects local		
Workers (0)	Dermal	0.5 %	Chronic effects local		
Consumers (0)	Inhalation	1.55 mg/m³	Chronic effects systemic		
Consumers (0)	Inhalation	3.1 mg/m³	Acute effects systemic		
Consumers (0)	Inhalation	1.55 mg/m³	Chronic effects local		
Consumers (0)	Inhalation	3.1 mg/m³	Acute effects local		
Consumers (0)	Dermal	0.5 %	Chronic effects local		
Workers (0)	Oral	0.26 mg/kg bw/day	Chronic effects systemic		

PNEC

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Drinking water	0.24 mg/l		
Marine water	0.024 mg/l		
Water (intermittent release)	0.071 mg/l		
Microorganisms in sewage treatment	10000 mg/l		
Freshwater sediment	0.9168 mg/kg		

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Soil (agricultural)	7.5 mg/kg of dry substance of soil		

N-tlenek C12-14 - alkilodimetyloaminy

Route of exposure	Value	Value determination	Source
Freshwater sediment	5.24 mg/kg of dry substance of sediment		
Sea sediments	0.524 mg/kg of dry substance of sediment		
Drinking water	0.0335 mg/l		
Marine water	0.00335 mg/l		
Soil (agricultural)	1.02 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	24 mg/l		

sodium hypochlorite, solution... % Cl active

Route of exposure	Value	Value determination	Source
Drinking water	0.21 µg/l		
Marine water	0.042 µg/l		
Microorganisms in sewage treatment	4.69 µg/l		
Oral	11.1 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. 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

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow, transparent
color intensity	light
Odour	fragrance by perfume, slightly chlorine
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	13-14 (undiluted)
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,04-1,10 g/cm³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid: viscous

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

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.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD_{50}	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD_{50}	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)	

N-tlenek C12-14 - alkilodimetyloaminy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD_{50}	OECD 401	1064 mg/kg bw		Rat (Rattus norvegicus)	
Dermal	LD_{50}	OECD 402	>2000 mg/kg		Rabbit	
	NOAEL		100 mg/kg bw/day		Rat (Rattus norvegicus)	

N-tlenek C12-14 - alkilodimetyloaminy

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	NOAEL	OECD 408	88 mg/kg		Rat (Rattus norvegicus)	
Dermal	NOAEL	OECD 411	0.045 mg/cm²			

sodium hydroxide

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Intraperitoneally	LD_{50}		40 mg/kg		Mouse	
Oral	TDLo		500 mg/kg		Rabbit	
Oral	TDLo		44 mg/kg		Rat (Rattus norvegicus)	

sodium hypochlorite, solution... % Cl active

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
	LD_{50}		1100 mg/kg		Rat (Rattus norvegicus)	
Skin	LD_{50}		20000 mg/kg		Rabbit	
Inhalation	LC_{50}		>10.5 mg/l	1 hour	Rat (Rattus norvegicus)	

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation

Causes serious eye damage. 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

not available

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Very toxic to aquatic life.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
LC_{50}	OECD 203	>10-100 mg/l	96 hours	Fish (Leuciscus idus)	

N-tlenek C12-14 - alkilodimetyloaminy

Parameter	Method	Value	Exposure time	Species	Environment
LC_{50}		2.67 mg/l	96 hours	Fish (Pimephales promelas)	
EC_{50}	EU C.2 (84/449/EEC)	3.1 mg/l	48 hours	Daphnia (Daphnia magna)	
EC_{50}	OECD 201	0.143 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
NOEC	OECD 211	0.70 mg/l	21 days	Daphnia (Daphnia magna)	
NOEC	EPA OPPTS 850.1500	0.42 mg/l	302 days	Fish (Pimephales promelas)	

sodium hydroxide

Parameter	Method	Value	Exposure time	Species	Environment
EC_{50}		40.4 mg/l	48 hours	Daphnia (Ceriodaphnia dubia)	
EC_{50}		22 mg/l	15 minutes	Microorganisms (Photobacterium phosphoreum)	

sodium hypochlorite, solution... % Cl active

Parameter	Method	Value	Exposure time	Species	Environment
EC_{10}		46.9 mg/l		Microorganisms (Photobacterium phosphoreum)	Fresh water
EC_{50}		0.0365 mg/l	72 hours	Algae and other aquatic plants	Fresh water
EC_{50}		0.026 mg/l	48 hours	Crustaceans	Salt water
EC_{50}		0.035 mg/l	48 hours	Crustaceans	Fresh water
EC_{50}		77.1 mg/l	3 hours	Microorganisms (Photobacterium phosphoreum)	Fresh water
LC_{50}		.032 mg/kg	96 hours	Fish	Salt water
NOEC		0.02 mg/l	96 hours	Algae and other aquatic plants	
NOEC		0.04 mg/l	28 days	Fish	

Chronic toxicity

sodium hypochlorite, solution... % Cl active

Parameter	Value	Exposure time	Species	Environment
NOEC	0.0021 mg/l	72 days	Algae and other aquatic plants	Fresh water
NOEC	0.0021 mg/kg	7 days	Crustaceans	Fresh water
NOEC	0.007 mg/l	15 days	Crustaceans	

12.2. Persistence and degradability

Biodegradability

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

N-tlenek C12-14 - alkilodimetyloaminy

Parameter	Value	Exposure time	Environment	Result
	83.5 %	28 days		Easily biodegradable

The mixture is biodegradable.

12.3. Bioaccumulative potential

sodium hypochlorite, solution... % Cl active

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	-3.42				

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

UN 1719

14.2. UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

14.3. Transport hazard class(es)

8 Corrosive substances

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.	80
UN number	1719
Classification code	C5
Safety signs	8+hazardous for the environment

Air transport - ICAO/IATA

Packaging instructions passenger	852
Cargo packaging instructions	856

Marine transport - IMDG

EmS (emergency plan)	F-A, S-B

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 in the safety data sheet

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.
P391	Collect spillage.
P501	Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

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

EUH031	Contact with acids liberates toxic gas.

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_{10}	Concentration of a substance when it is affected 10% of the population
EC_{50}	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
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

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

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 6.1 PL replaces the SDS version from 08 June 2022. Changes were made in sections 2, 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.