

**ACTIVE SHAMPOO 3000**

Creation date	02nd May 2024	Version	3.0
Revision date			

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Substance / mixture	ACTIVE SHAMPOO 3000 mixture
Number	1 34157 - 5L; 1 34158 - 20L
UFI	F2JY-1CR1-100K-S3TS

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Mixture's intended use**

Cleaning agent. For professional use only.

**The use descriptors**

SU 3	Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU 22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PROC 7	Industrial spraying
PROC 8a	Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
PROC 8b	Transfer of substance or mixture (charging and discharging) at dedicated facilities
PROC 10	Roller application or brushing
PROC 11	Non industrial spraying
ERC 8a	Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC 8d	Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

**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****Supplier**

Name or trade name	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (CRN)	25018205
VAT Reg No	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.retech.com

**Competent person responsible for the safety data sheet**

Name	RETECH, s.r.o.
E-mail	info@retech.cz

**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 Irrit. 2, H315

Eye Dam. 1, H318

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

Causes skin irritation. Causes serious eye damage.

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**2.2. Label elements**
**Hazard pictogram**

**Signal word**

Danger

**Hazardous substances**

tetrasodium ethylene diamine tetraacetate

Cocamidopropyl Betaine

alcohols, C12-14, ethoxylated

quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides

**Hazard statements**

H315

Causes skin irritation.

H318

Causes serious eye damage.

**Precautionary statements**

P280

Wear protective gloves/protective clothing/eye protection.

P302+P352

IF ON SKIN: Wash with plenty of water.

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.

P332+P313

If skin irritation occurs: Get medical advice/attention.

**2.3. Other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 Registration number: 01-2119486762-27	tetrasodium ethylene diamine tetraacetate	1-10	Acute Tox. 4, H302 Eye Dam. 1, H318	
CAS: 61789-40-0 EC: 931-296-8 Registration number: 01-2119488533-30	Cocamidopropyl Betaine	1-10	Eye Dam. 1, H318 Aquatic Chronic 3, H412	
CAS: 68439-50-9 Registration number: POLYMER	alcohols, C12-14, ethoxylated	1-10	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
CAS: 1554325-20-0	quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides	1-10	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 Registration number: 01-2119457892-27	caustic soda	1-10	Skin Corr. 1A, H314 Specific concentration limit: Skin Corr. 1B, H314: $2\% \leq C < 5\%$ Skin Corr. 1A, H314: $C \geq 5\%$ Eye Irrit. 2, H319: $0.5\% \leq C < 2\%$ Skin Irrit. 2, H315: $0.5\% \leq C < 2\%$	

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. 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. If unconscious, place in recovery position and get medical attention immediately. Keep the affected person warm and at rest.

**If on skin**

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

**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**

Rinse out the mouth with water and provide 2-5 dL of water. DO NOT INDUCE VOMITING! If the person vomits by himself, make sure that the vomit is not inhaled. Provide medical treatment if the person has any health problems.

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

not available

**If on skin**

Causes skin irritation.

**If in eyes**

Causes serious eye damage.

**If swallowed**

not available

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

not available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

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

**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.

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing.

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**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. Prevent contact with skin and eyes. Provide sufficient ventilation.

**6.2. Environmental precautions**

Stop leak if safe to do so. Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains. Inform respective authorities in case of seepage into water course or sewage system.

**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. 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**

Ensure good ventilation/exhaustion at the workplace. Use personal protective equipment as per Section 8. Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. 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. Protect from sunlight.

Content	Packaging type	Material of package
5 l	jerry can	
20 l	jerry can	

**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.

**8.2. Exposure controls**

Follow the usual measures intended for health protection at work and especially for good 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. EN166 - Personal Eye Protection Standard.

**Skin protection**

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. 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.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Filter B.

**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	blue
Odour	characteristic
Melting point/freezing point	data not available

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Boiling point or initial boiling point and boiling range	data not available
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 (-% solution)
Kinematic viscosity	data not available
Solubility in water	soluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1.1 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
<b>9.2. Other information</b>	
Evaporation rate	data not available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

#### 10.2. Chemical stability

The product is stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Unknown.

#### 10.4. Conditions to avoid

not available

#### 10.5. Incompatible materials

not available

#### 10.6. Hazardous decomposition products

Not developed under normal uses.

### 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

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

caustic soda					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>191 mg/kg		Rat	
Dermal	LD <sub>50</sub>	1350 mg/kg		Rabbit	
Cocamidopropyl Betaine					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	2335 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rat	

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### quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat	

### tetrasodium ethylene diamine tetraacetate

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>2000 mg/kg			
Inhalation	LD <sub>50</sub>	1000-5000 mg/m <sup>3</sup>		Rat	

#### Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available.

#### Serious eye damage/irritation

Causes serious eye damage. Data for the components of the mixture are not available.

#### Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture 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

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

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### Acute toxicity

caustic soda				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	45.4 mg/l		Fish	
EC <sub>50</sub>	33-100 mg/l		Daphnia	

Cocamidopropyl Betaine				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	1.1 mg/l		Fish	
EC <sub>50</sub>	1.9 mg/l		Daphnia	
ErC <sub>50</sub>	2.4 mg/l		Algae	

quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	>10-100 mg/l		Fish	
EC <sub>50</sub>	>1-10 mg/l		Daphnia	
EC <sub>50</sub>	>1-10 mg/l	72 hours	Algae	

tetrasodium ethylene diamine tetraacetate				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	>100 mg/l		Fish	
EC <sub>50</sub>	>100 mg/l		Daphnia	
EC <sub>50</sub>	>100 mg/l	72 hours	Algae	

### Chronic toxicity

Cocamidopropyl Betaine				
Parameter	Value	Exposure time	Species	Environment
NOEC	0.135 mg/l			

tetrasodium ethylene diamine tetraacetate				
Parameter	Value	Exposure time	Species	Environment
NOEC	≥36.9 mg/l		Fish	
NOEC	25 mg/l	48 hours	Crustaceans	

### 12.2. Persistence and degradability

The mixture is biodegradable. Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

#### Biodegradability

Cocamidopropyl Betaine					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	91.6 %			

quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides					
Parameter	Method	Value	Exposure time	Environment	Result
					Easily biodegradable

### 12.3. Bioaccumulative potential

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No data are available for either the mixture or the components.

**12.4. Mobility in soil**

No data are available for either the mixture or the components.

**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**

General notes: Not regarded as dangerous for the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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. 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. 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**

A chemical safety assessment has not been carried out.

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

H302

Harmful if swallowed.



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H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

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

P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
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.
P332+P313	If skin irritation occurs: Get medical advice/attention.

### 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
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 <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log K <sub>ow</sub>	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)

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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 3.0 replaces the SDS version from 14 December 2022. Changes were made in sections 1, 2, 11, 12, 13, 15 and 16.

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#### 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.

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