

**ACTIVE SHAMPOO 3000**

Creation date 30. April 2018  
Revision date Version 1.0

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

**1.1. Product identifier** ACTIVE SHAMPOO 3000  
Substance / mixture mixture  
Number 1 34158

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

**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 preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities  
PROC 8b Transfer of substance or mixture (charging and discharging) at non-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)

Disapproved uses of mixture For professional use only.

**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 (ID) 25018205  
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**

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)

Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

**SECTION 2: Hazards identification****2.1. Substance or mixture classification****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

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 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**

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 % ≤ C < 5 % Skin Corr. 1A, H314: C ≥ 5 % Eye Irrit. 2, H319: 0,5 % ≤ C < 2 % Skin Irrit. 2, H315: 0,5 % ≤ 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.

**Inhalation**

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.

**Skin contact**

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.

**Eye contact**

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.

**Ingestion**

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**

**Inhalation**

not available

**Skin contact**

Causes skin irritation.

**Eye contact**

Causes serious eye damage.

**Ingestion**

not available

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

not available

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**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.

**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.

**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.

**United Kingdom of Great Britain and Northern Ireland**

Substance name (component)	Type	Time of exposure	Value	Note	Source
caustic soda (CAS: 1310-73-2)	WEL	15 minutes	2 mg/m <sup>3</sup>		GBR

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**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.

**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.

**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**

Appearance	
Physical state	liquid at 20°C
color	blue
Odour	characteristic
Odour threshold	data not available
pH	13 (-% solution)
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	data not available
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	soluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available

**9.2. Other information**

Density	1.1 g/cm <sup>3</sup> at 20 °C
ignition temperature	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.

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**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 toxicological effects**

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

caustic soda

Route of exposure	Parameter	Value	Time of exposure	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	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	2335 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rat	

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

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

tetrasodium ethylene diamine tetraacetate

Route of exposure	Parameter	Value	Time of exposure	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.

**Serious eye damage/irritation**

Causes serious 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.

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**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.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Acute toxicity**

Data for the mixture are not available.

caustic soda

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	45.4 mg/l		Fishes	
EC <sub>50</sub>	33-100 mg/l		Daphnia	

Cocamidopropyl Betaine

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	1.1 mg/l		Fishes	
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	Time of exposure	Species	Environment
LC <sub>50</sub>	>10-100 mg/l		Fishes	
EC <sub>50</sub>	>1-10 mg/l		Daphnia	
EC <sub>50</sub>	>1-10 mg/l	72 hour	Algae	

tetrasodium ethylene diamine tetraacetate

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	>100 mg/l		Fishes	
EC <sub>50</sub>	>100 mg/l		Daphnia	
EC <sub>50</sub>	>100 mg/l	72 hour	Algae	

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**Chronic toxicity**

Cocamidopropyl Betaine

Parameter	Value	Time of exposure	Species	Environment
NOEC	0.135 mg/l			

tetrasodium ethylene diamine tetraacetate

Parameter	Value	Time of exposure	Species	Environment
NOEC	≥36.9 mg/l		Fishes	
NOEC	25 mg/l	48 hour	Crustaceans	

**12.2. Persistence and degradability**

**Biodegradability**

Cocamidopropyl Betaine

Parameter	Method	Value	Time of exposure	Environment	Result
	OECD 301B	91.6 %			

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

Parameter	Method	Value	Time of exposure	Environment	Result
					Easily biodegradable

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

**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. Other adverse effects**

Additional ecological information:

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.

**Legislation of waste**

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**SECTION 14: Transport information**

**14.1. UN number**

Not subject to ADR.



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**14.2. UN proper shipping name**

not available

**14.3. Transport hazard class(es)**

not available

**14.4. Packing group**

not available

**14.5. Environmental hazards**

not available

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not available

**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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). Decree No. 432/2003 Coll., laying down conditions for assigning categories to individual jobs, limit values of indices from biological exposure tests, conditions for the sampling of biological materials for biological exposure and the particulars of the reports on work with asbestos and biological agents as amended.

**15.2. Chemical safety assessment**

not available

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
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

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CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
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
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
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
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
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
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation

**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**

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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. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**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.