



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

SAPONE ENERGISING

Creation date	10th August 2000	Version	2.0
Revision date	28th March 2022		

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

- 1.1. Product identifier** SAPONE ENERGISING
Substance / mixture mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Liquid soap used for washing hands, intended for use in public restrooms and in food industry (as a means of cleaning hands before disinfecting them)
Mixture uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
- | | |
|--------------------|---|
| Name or trade name | TENZI Sp. z o.o. |
| Address | Skarbimierzyce 20, Dołuje, 72-002
Poland |
| VAT Reg No | PL8512583405 |
| Phone | +48 91 3119777 |
| E-mail | info@tenzi.pl |
| Web address | www.tenzi.pl |
- Competent person responsible for the safety data sheet**
- | | |
|--------|--------------------|
| Name | technolog@tenzi.pl |
| E-mail | technolog@tenzi.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 not classified as dangerous according to Regulation (EC) No 1272/2008.
Full text of all classifications and hazard statements is given in the section 16.

2.2. Label elements

Supplemental information

<5 % anionic surfactants, <5 % amphoteric surfactants, perfumes, DMDM Hydantoin, Methylchloroisothiazolinone, Methylisothiazolinone
none

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.



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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
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119488639-16-XXXX	Sodium Lauryl Ether Sulfate	<4	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 10 % Eye Irrit. 2, H319: 5 % ≤ C < 10 %	
EC: 931-513-6 Registration number: 01-2119513359-38-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18 (even numbered) acyl) derivs., hydroxides, inner salts	<0,6	Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C > 10 % Eye Irrit. 2, H319: 4 % < C ≤ 10 %	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

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

If swallowed

DO NOT INDUCE VOMITING - even the induced vomiting can cause complications as in case of detergents and other foaming substances. Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

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

Symptomatic treatment.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage temperature

min 5 °C, max 35 °C

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

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Workers / consumers	Route of exposure	Value	Effect	Determining method	Source
Workers	Dermal	12.5 mg/kg bw/day			SDS
Workers	Inhalation	44 mg/m ³ /8h			SDS
Consumers	Dermal	7.5 mg/kg bw/day			SDS
Consumers	Oral	7.5 mg/kg bw/day			SDS



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Sodium Lauryl Ether Sulfate

Workers / consumers	Route of exposure	Value	Effect	Determining method	Source
Workers	Dermal	2750 mg/kg	Local chronic effects		karta charakterystyki
Workers	Inhalation	175 mg/kg	Local chronic effects		karta charakterystyki
Consumers		1650 mg/kg	Local chronic effects		karta charakterystyki
Consumers	Inhalation	52 mg/m ³	Local chronic effects		karta charakterystyki
Consumers	Food chain	15 mg/m ³	Local chronic effects		karta charakterystyki

PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Value	Determining method
Drinking water	0.0135 mg/l	
Seawater	0.00135 mg/l	
Sea sediments	1 mg/kg	
Soil (agricultural)	0.805 mg/kg	

Sodium Lauryl Ether Sulfate

Route of exposure	Value	Determining method
Drinking water	0.24 mg/l	
Seawater	0.024 mg/l	
Freshwater sediment	5.45 mg/kg	
Sea sediments	0.545 mg/kg	
Microorganisms in wastewater treatment plants	10 mg/l	
Soil (agricultural)	0.946 mg/kg	

8.2. Exposure controls

It is not needed.

Eye/face protection

It is not needed.

Skin protection

It is not needed.

Respiratory protection

It is not needed.

Thermal hazard

Data 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	green
Odour	characteristic of the composition used for
Melting point/freezing point	data not available
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



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Auto-ignition temperature data not available
Decomposition temperature data not available
pH 7 (undiluted at 20 °C)
Kinematic viscosity data not available
Solubility in water soluble
Partition coefficient n-octanol/water (log value) data not available
Vapour pressure data not available
Density and/or relative density
Density data not available
Relative density 1,022 g/cm³ (+-) 0,020
Form liquid: viscous

9.2. Other information

Dermatological tests: does not show irritating and sensitizing properties

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.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining method	Source
Skin	LD ₅₀		>620 mg/kg		Rat (Rattus norvegicus)	F/M	Based on evidence	karta charakt erystyki
Oral	LD ₅₀		2430 mg/kg		Rat (Rattus norvegicus)	F/M	Based on evidence	karta charakt erystyki

Sodium Lauryl Ether Sulfate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining method	Source
Oral	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)			karta charakt erystyki
Skin	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)			karta charakt erystyki



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Sodium Lauryl Ether Sulfate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex	Determining method	Source
Oral (drinking water)	NOAEL	OECD 416	>300 mg/kg		Rat (Rattus norvegicus)	F/M		karta charakt erystyki
Oral (drinking water)	NOAEL (F1)	OECD 416	>300 mg/kg		Rat (Rattus norvegicus)	F/M	Reproduction	karta charakt erystyki
Oral	NOAEL	OECD 414	>1000 mg/kg	10 day	Rat (Rattus norvegicus)			karta charakt erystyki
Oral	NOAEL	OECD 414	>1000 mg/kg	10 day	Rat (Rattus norvegicus)	F		karta charakt erystyki
Oral	NOAEL	OECD 408	>225 mg/kg	90 day	Rat (Rattus norvegicus)			karta charakt erystyki

Skin corrosion/irritation

Based on available data the classification criteria are not met.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Result	Time of exposure	Species	Determining method	Source
	Not irritating			Based on evidence	karta charakterystyki

Serious eye damage/irritation

Based on available data the classification criteria are not met.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Result	Time of exposure	Species	Determining method	Source
	Serious eye damage			Based on evidence	karta charakterystyki

Sensitization

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Route of exposure	Result	Method	Time of exposure	Species	Sex	Determining method	Source
Skin	No effect	OECD 406		Guinea-pig (Cavia aperea f. porcellus)		Based on evidence	karta charakterystyki

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.



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Mutagenicity

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Result	Method	Time of exposure	Specific target organ	Species	Sex	Determining method	Source
Negative	OECD 471					Based on evidence	karta charakt erystyki
Negative	OECD 476					Based on evidence	karta charakt erystyki
Negative	OECD 474					Based on evidence	karta charakt erystyki

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

Data for the mixture are not available.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
EC ₅₀	OECD 202	1.9 mg/l	48 hour	Daphnia (Daphnia magna)		Based on evidence	karta charakte rystyki
ErC ₅₀		2.4 mg/kg	72 hour	Algae and other aquatic plants		Indicator of growth	karta charakte rystyki
ErC ₅₀		7 mg/l	72 hour	Daphnia (Daphnia magna)		Indicator of growth	karta charakte rystyki



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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
LC ₅₀	OECD 203	1.11 mg/l	96 hour	Fishes (Oncorhynchus mykiss)			karta charakterystyki

Sodium Lauryl Ether Sulfate

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
LD ₅₀	OECD 203	>1-10 mg/l	96 hour	Fishes (Branchydanio rerio)			karta charakterystyki
NOEC		1.2 mg/l		Fishes (Branchydanio rerio)			karta charakterystyki
EC ₅₀	OECD 202	>1-10 mg/l	48 hour	Other aquatic organisms (Daphnia magna)			karta charakterystyki
NOEC	OECD 211	>0.1-1.0 mg/l	21 day	Daphnia (Daphnia magna)			karta charakterystyki
EC ₅₀	OECD 201	>10-100 mg/l	72 hour	Algae (Desmodesmus subspicatus)			karta charakterystyki
EC10		10000 mg/l		Bacteria (Pseudomonas putida)			karta charakterystyki

Chronic toxicity

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Time of exposure	Species	Environment	Determining method	Source
EC ₅₀		3000 mg/l	16 hour	Bacteria (Salmonella typhimurium)		Based on evidence	karta charakterystyki
NOEC	OECD 211	0.3 mg/l	21 day	Daphnia (Daphnia magna)		Based on evidence	karta charakterystyki
NOEC	OECD 210	0.135 mg/l	100 day	Fishes (Oncorhynchus mykiss)		Based on evidence	karta charakterystyki
NOEC _{Cr}		0.6 mg/l	72 hour	Algae and other aquatic plants		Based on evidence	karta charakterystyki

12.2. Persistence and degradability



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Biodegradability

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-(C12-18(even numbered) acyl) derivs., hydroxides, inner salts

Parameter	Method	Value	Time of exposure	Environment	Determining method	Result	Source
		95 %	28 day		Based on evidence	Easily biodegradable	karta charakterystyki
		80-90 %	60 day		Based on evidence	Easily biodegradable	karta charakterystyki
	OECD 306	75 %	28 day		Based on evidence	Easily biodegradable	karta charakterystyki

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

12.3. Bioaccumulative potential

Data not available.

12.4. Mobility in soil

Data 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

Data 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.

Waste type code

07 06 04 other organic solvents, washing liquids and mother liquors *

Packaging waste type code

15 01 02 plastic packaging

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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



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14.4. Packing group

not relevant

14.5. Environmental hazards

No

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 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. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended.

15.2. Chemical safety assessment

Chemical safety assessment has not been carried out for the mixture.

Sodium Lauryl Ether Sulfate: the manufacturer has performed a chemical safety assessment

1-Propanaminium, 3-amino-N-(carboxymethyl)-N, N-dimethyl-, N-(C12-18) acyl derivatives, hydroxides, inner salts, water solution: A Chemical Safety Assessment has been carried out

SECTION 16: Other information

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

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

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
CE ₅₀	Concentration of a substance when it is affected 50% of the population
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
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
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



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LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log K _{ow}	Octanol-water partition coefficient
LZO	Volatile organic compounds
MARPOL	International Convention for the Prevention of Pollution from Ships
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
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
UE	European Union
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
vPvB	Very Persistent and very Bioaccumulative
WE	Identification code for each substance listed in EINECS

Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
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

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)

General update

More information

Classification procedure - calculation method.

Classification procedure - based on the results of dermatological tests.

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.