

**SAPONE Fresh Breeze**

**Material Safety Data Sheet (MSDS)**

Creation Date 10.08.2000  
Revision Date: 01.06.2015  
Version: 1.0

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier:** SAPONE Fresh Breeze  
**1.2 Relevant identified uses of the substance or mixture and uses advised against:** Liquid soap for washing hands to be used in both: places of public use (toilets), as well as in the food industry, as a preparation for the pre-wash hands before disinfection.  
**1.3 Details of the supplier of the safety data sheet:**  
 TENZI Sp. z o.o., 72-002 Dołuje, Skarbimierzyce 20, e-mail: [info@tenzi.pl](mailto:info@tenzi.pl), [www.tenzi.pl](http://www.tenzi.pl), tel. +48 91 3119777, fax. +48 91 3119779 E-mail address for a competent person responsible for MSDS: [technolog@tenzi.pl](mailto:technolog@tenzi.pl)  
**1.4 Emergency telephone number:** +48 91 31 19 777 (mon. - fri. 8am-4pm) or 112

**SECTION 2. HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No. 1272/2008**  
 This product is not classified as dangerous according to EC criteria.

**2.2. Label elements**  
**According to 1272/2008/EC\***

Hazard symbols: no data available  
 and signal words: no data available

**Hazard statements:**  
 no data available

**Precautionary statements**  
 no data available

**2.3. Other hazards**  
 Substance does not meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Substances**  
 not applicable

**3.2 Mixture**  
**Composition (according to: 648/2004/EC):** <5% Anionic and amphoteric surfactants, preservative, fragrance composition; excipients

INCI: Aqua, Sodium Laureth Sulfate, Sodium Chloride, Cocamidopropyl Betaine, Dodecylbenzene Sulfonic Acid, Glycerin, DMDM-Hydration/ Methylchloroisothiazolinone/ Methylisothiazolinone, Sodium Hydroxide, Mica (and) Titanium Dioxide, Linalool, Limonene, Citronellol, Alpha-Isomethyl Ionone, Eugenol, Benzyl Benzoate, Citral, Butylphenyl Methylpropional, CI 74160

Product / ingredient name	Concentration [% weigh]	CAS / EC	Index-No.	REACH registration number	Classification
					Regulation (EC) No. 1272/2008 [CLP]
Anionic surfactants	<4	68891-38-3 500-234-8	---	01- 2119488639-	Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412

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				16-XXXX	
Amphoteric surfactants	<0,6	No data available	---	01-2119513359-38-XXXX	Eye Dam. 1 H318, Aquatic Chronic 3 H412
Preservative (mixture)	< 0,1	55965-84-9 613-167-00-5	---	---	Skin Irrit. 2 H315, Eye Irrit. 2 H319, Aquatic Chronic 2 H411, Skin Sens 1 H317

The full texts of R-phrases and H-symbols are in 16th section.

**SECTION 4. FIRST AID MEASURES****4.1. Description of first aid measures**

**Eye contact** – Flush eyes with running water at least 15 minutes keeping eyelids open. Get medical attention.

**Ingestion** – DO NOT induce vomiting. Give lots of water to drink. DO NOT give any neutralizing agents. Get medical attention and show this MSDS if symptoms (stomach pain, nausea) appears.

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

**Skin** – For people with skin allergy tendency make cause skin sensitisation

**Eyes** – Contact with eyes may cause irritation.

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

Get medical attention. Self-contained eye wash and fresh water should be readily available.

**SECTION 5. FIREFIGHTING MEASURES****5.1. Extinguishing media**

**Suitable extinguishing media:** use extinguishing measures that are appropriate to local circumstances and surrounding environment.

**Extinguishing media which shall not be used for safety reason:** unknown

**5.2. Special hazards arising from the substance or mixture**

Product is non-flammable.

**5.3. Advice for firefighters**

Firefighters should wear protective clothing and self-contained breathing apparatus. In case of fire warn the people nearby. Evacuate unprotected and untrained personnel from hazard area. Notify relevant emergency services. If possible, remove the containers away from the influence of fire and high temperature. Water may be used to keep fire-exposed containers cool until fire is out. The after burning residues should be removed.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel:** protective gloves, safety glasses

**For emergency responders:** protective clothes, protective gloves, safety glasses

**6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

**6.3. Methods and material for containment and cleaning up**

In case of unexpected release substance into environment inform on emergency, keep away from source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible confine and contain the spill by closing liquid flow, damage container put into protect leak proof wrapping. For large spill make a dike around the outside edges of the spill, use absorbent materials (sand solid, sawdust, fines limestone). Clean-up materials store for disposal as hazardous waste. Decontaminate polluted area with water.

Neutralize with alkaline material (soda ash, slaked lime or Sodium Hydroxide)

**6.4. Reference to other sections**

See section 8 and 13.

**SECTION 7. HANDLING AND STORAGE**

**SAPONE Fresh Breeze****7.1. Precautions for safe handling**

Please note that you need to be carefully while working with this product. Use personal protection recommended in section 8.2.

Mix only with water. DO NOT mix with other chemical substances.

People with skin allergy should not have contact with this product.

After usage keep container tightly closed. Keep away from unauthorized people.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in a tightly close, original plastic container. Store this product in dry environment that will be maintained at temperature between 5<sup>0</sup>C - 35<sup>0</sup>C. Store in good ventilated area with easy clean alkali resistant floor. DO NOT expose to sunlight. Keep away from heat, sparks, flame and source of ignition.

**7.3. Specific end use(s)**

no data available

**SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION****8.1. Control parameters**

Please check any national occupational exposure limit values in your country.

**DNEL /PNEC values for substances (according to MSDS or Chemical Safety Report):****Anionic surfactants(data for high concentrations substance):**

DNEL Exposure frequency: Long term, Exposure route: dermal, Value: 2750 mg/kg bw, Group: Workers Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: inhalation, Value: 175 mg/m<sup>3</sup>, Group: Workers Type of effect: local effect

DNEL Exposure frequency: Long term, Exposure route: dermal, Value: 1650 mg/kg bw, Group: general population/consumers Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: inhalation, Value: 52 mg/m<sup>3</sup>, Group: general population/consumers, Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: oral, Value: 15 mg/m<sup>3</sup>, Group: general population/consumers, Type of effect: systemic effect

PNEC Aqua (fresh water): 0,24 mg/l

PNEC Aqua (marine water): 0,024 mg/l

PNEC Sediment (freshwater): 5.45 mg/kg dry matter

PNEC Sediment (marine water): 0,545 mg/kg dry matter

PNEC Sewage treatment plant: 10 mg/l

PNEC Soil: 0,946 mg/kg dry matter

**Amphoteric surfactants (data for high concentrations substance):**

DNEL Exposure frequency: Long term, Exposure route: dermal, Value: 12,5 mg/kg bw/day, Group: Workers Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: inhalation, Value: 44 mg/m<sup>3</sup>, Group: Workers Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: oral, Value: 7,5 mg/kg bw/day, Group: consumers, Type of effect: systemic effect

DNEL Exposure frequency: Long term, Exposure route: dermal, Value: 7,5 mg/kg bw/day, Group: consumers, Type of effect: systemic effect

PNEC Aqua (fresh water) 0,0135 mg/l assessment factors

PNEC Aqua (marine water) 0,00135 mg/l assessment factors

PNEC Sediment (freshwater) 1 mg/kg partition coefficient method

PNEC Sediment (marine water) 0,1 mg/kg assessment factors

PNEC Soil 0,8 mg/kg partition coefficient method

PNEC Sewage treatment plant 3000mg/l assessment factors

**Preservative (data for high concentrations substance):**

not identified

**NOTE:** When the concentration of substance is known, personal protective equipment should be chosen based on: substance concentration on a workplace, exposure time and operations performed by the employee. In emergency situations, if substance concentration on the workplace is unknown, personal protection of highest class level should be used.

**8.2. Exposure controls**

**Personal protective equipment****RESPIRATORY PROTECTION:** not be required**HAND PROTECTION:** not be required**EYE/FACE PROTECTION:** not be required**SKIN PROTECTION:** not be required**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

APPEARANCE/FORM: – viscous liquid Color: Blue

ODOUR – characteristic for this fragrance composition

ODOUR THRESHOLD - not identified

pH –  $7 \pm 1$ 

MELTING/FREEZING POINT: not identified

INITIAL BOILING POINT AND BOILING RANGE: not identified

FLASH POINT: not identified

EVAPORATION RATE: not identified

FLAMMABILITY (SOLID,GAS): not identified

UPPER/LOWER FLAMMABILITY (UEL/LEL): not identified

VAPOUR PRESSURE: not identified

VAPOUR DENSITY: not identified

RELATIVE DENSITY:  $1,022 \pm 0,020 \text{ g/cm}^3$ 

SOLUBILITY:

a) WATER – soluble

b) ORGANIC SOLVENT – not identified

PARTITION COEFFICIENT N-OCTANOL/WATER: – not identified

AUTO-IGNITION TEMPERATURE: not identified

DECOMPOSITION TEMPERATURE: not identified

VISCOSITY: not identified

EXPLOSIVE PROPERTIES: not identified

OXIDISING PROPERTIES: not identified

**9.2. Other information**REFRACTIVE INDEX –  $10,3\% \text{ Brix}^* \pm 5\%$ 

\* - Degrees Brix is the content of an aqueous solution. One degree Brix is 1 gram of sucrose in 100 grams of solution and represents the strength of the solution as percentage by weight (%w/w)

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

The substance is non-reactive

**10.2 Chemical stability**

Stable under recommended storage conditions (see point 7)

**10.3 Possibility of hazardous reactions**

not applicable

**10.4 Conditions to avoid**Avoid storage unprotected from heat under  $35^{\circ}\text{C}$  and not well-ventilated area. Avoid long-term expose to sunlight.**10.5 Incompatible materials**

None

**10.6 Hazardous decomposition products**

Carbon monoxide

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

**ACUTE TOXICITY:**

- **SKIN CONTACT:** In person with an allergic disposition may cause skin irritation
- **EYE CONTACT:** Contact with eyes may cause irritation.

**DETAILS OF PARTICULAR COMPONENTS (according to substances's MSDS):****Anionic surfactants(data for high concentrations substance):**

LD50 &gt; 2000 mg/kg (rat, oral).

LD50 &gt; 2000 mg/kg (rat, skin)

Skin corrosion/irritation: Irritant for skin

Serious eye damage/eye irritation: Causes serious eye damage

Respiratory or skin sensitization: No sensitizing effect known.

**Amphoteric surfactants (data for high concentrations substance):**

LD50 dermal rat- male, female &gt; 620 mg/kg

LD50 dermal rat - male, female 2430 mg/kg

Skin corrosion/irritation: Irritant for skin

Serious eye damage/eye irritation: Causes serious eye damage

**Preservative (data for high concentrations substance):**

Acute toxicity (oral): LD50: 457 mg/kg, rat

Acute toxicity (inhalation): LC50: 2,36 mg/l, 4h, rat, spray

Acute toxicity (dermal): LD50: 660 mg/kg, rabbit

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity****Anionic surfactants(data for high concentrations substance):**

LC50 &gt; 1-10 mg/l Fish (OECD 203)

NOEC 1,2 mg/l Fish (literature data)

EC50 &gt; 1-10 mg/l/48h Daphnia (OECD 202)

NOEC &gt; 0,1-1,0 mg/l/21d Daphnia (OECD 211)

EC50 &gt; 10-100 mg/l/72h (OECD 201) Algae

EC10 &gt; 10000 mg/l Bacteria

**Amphoteric surfactants (data for high concentrations substance):**

EC50 = 1,9 mg/l/ 96h Daphnia (OECD 202)

ErC50 = 2,4 mg/l/72h Algae

ErC50 = 7 mg/l/72h Daphnia (ISO)

LC50 1,11 mg/l/96h Fish (OECD 203)

EC50 3000 mg/l/16h Bacteria (ISO)

NOEC 0,3 mg/l/21d Daphnia (OECD 211)

NOEC 0,135 mg/l/100d Fish (OECD 210)

NOECr 0,6 mg/l/72h Algae

**Preservative (data for high concentrations substance):**

Toxicity for fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 0,19 mg/l, 96 h

Toxicity for Daphnia: EC50(Daphnia magna): 0,16 mg/l, 48 h

Toxicity for Algae: EC50(Scenedesmus capricornutum (freshwater algae)): 0,027 mg/l, 72 h

Factor M (Aquatic Acute Toxicity) - 10

**12.2 Persistence and degradability:**

The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

**Anionic surfactants(data for high concentrations substance):**

Biodegradation &gt; 70% after 28 days (OECD 301A)

**Amphoteric surfactants (data for high concentrations substance):**

Biodegradation 76% after 28 days (OECD 306); 80-90% after 60 days (ISO); 95% after 28 days (EU 92/69/EWG)

**Preservative (data for high concentrations substance):**

CHEMICAL OXYGEN DEMAND (COD): 2.987 mg/l, 1% solution

Biodegradability: biodegradable 5-Chloro-2-methyl-2H-isothiazol-3-one: t1/2 anaerobic=0,2 d t1/2 aerobic 0,3 - 1,3d. 2-

Methyl-2H-isothiazol-3-one: t 1/2 aerobic = 0,38 - 1,4d

**12.3 Bioaccumulative potential:**

Bioaccumulation improbable – based on the properties of the component

**12.4 Mobility in soil**

The product is water soluble and may spread in groundwater systems.

**12.5 Results of PBT and vPvB assessment**

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This substance/mixture does not meet the PBT and vPvB criteria of REACH, annex XIII.

### 12.6 Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### RESIDUES AND WASTES

DO NOT mix with other liquid wastes. DO NOT empty into drain. Dispose of this material and its container at hazardous or special waste collection point.

### 13.1. WASTE TREATMENT METHODS

Contaminated containers should be completely emptied. Several times rise container (or equivalent) promptly after emptying. Empty container can be stored in containers for collection of plastic packaging, or can be delivered to specialized company for recycling.

Disposal should be in accordance with the national/international regulations.

## SECTION 14. TRANSPORT INFORMATION

**Trade name:** SAPONE Fresh Breeze

**14.1. UN Number:** not applicable

**14.2. UN proper shipping name:** not applicable

**14.3. Transport hazard class(es):** not applicable

**14.4. Packing group:** not applicable

**14.5. Environmental hazards:** Product is not dangerous for environment

**14.6. Special precautions for user:** For more details see Sections 6 and 8

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** no data available

**Warning label:** not applicable

## SECTION 15. REGULATORY INFORMATION

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

1) COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

2) REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

3) COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto

4) REGULATION (EC) No 1336/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Regulation (EC) No 648/2004 in order to adapt it to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

5) COMMISSION REGULATION (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

6) REGULATION (EU) No 259/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 14 March 2012 amending Regulation (EC) No 648/2004 as regards the use of phosphates and other phosphorus compounds in consumer laundry detergents and consumer automatic dishwasher detergents

7) REGULATION (EC) No 273/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 on drug precursors)

8) REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 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

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### 15.2. Chemical safety assessment

**For mixture:** A Chemical Safety Assessment has not been carried out.

**For substance:**

**Anionic surfactants:** A Chemical Safety Assessment has been carried out.

**Amphoteric surfactants:** A Chemical Safety Assessment has been carried out.

**Preservative:** No data available

### SECTION 16. OTHER INFORMATION

Information above are based on current knowledge of product on its current form. All data are presented in order to take into account safety requirements priority and not to guarantee special properties of the product. If product usage conditions are not under manufacturer control, responsibility for safe use lies with the person that uses them.

The employer is obliged to inform all employees, who have contact with the product, about the risk and safety measures specified in the data sheet.

Safety data presented above were prepared based on safety characteristics of substances used by the producer to compose the product and based on regulations for handling dangerous substances and their preparation.

Classification of chemical mixture was done with calculation methods, based on the content of hazardous ingredients.

The full list of Risk (R) phrases and H symbols from Section 2 and 3:

Acute Tox. 4- Acute toxicity, category 4

Aquatic Chronic 3 – Harmful to aquatic organisms, chronic category 3

Eye Dam. 1 – Serious eye damage, category 1

Skin Corr. 1- Corrosive to skin, category 1

Skin Irrit. 2 - Causes skin irritation, category 2

Eye Irrit. 2 - Causes eye irritation, category 2

Aquatic Chronic 2 – Harmful to aquatic organisms, chronic category 2

Skin Sens. 1- May cause an allergic skin reaction, category 1

H302 – Harmful if swallowed.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H319 – Causes serious eye irritation.

H411 – Toxic to aquatic life with long lasting effects.

H412 – Harmful to aquatic life with long lasting effects.

More information on the product can be found on the specific technical data sheet which is available on [www.tenzi.pl](http://www.tenzi.pl).

**Training:** Course participants should be trained about how to handle this hazardous substance, about safety and work hygiene. Drivers should also be trained and obtain proper certification in accordance with the ADR requirements.

**Expiry date:** 36 months from the production date (if product is stored according to the producer recommendations)

**Changes compared to the previous version:**

-general update. Updated cards versions are now available on [www.tenzi.pl](http://www.tenzi.pl)

This Material Safety Data Sheet contains 7 pages. Changes in the content by unauthorized persons is prohibited.

Skarbimierzyce 01.06.2015