

SAPONE DEZ EXTRA

Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** SAPONE DEZ EXTRA
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Soap designed for hygienic hand disinfection. Dermatologically tested.
- 1.3 Details of the supplier of the safety data sheet:**
- TENZI Sp. z o.o.
Skarbimierzyce 20
72-002 Dołuje
tel. +48 91 3119777
fax. +48 91 3119779
E-mail address to a person responsible for this SDS: 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:

- Eye Irrit. 2 H319** – Causes serious eye irritation.
Aquatic Chronic 3 H412 – Harmful to aquatic life with long lasting effects.

2.2. Label elements:
(According to 1272/2008/EC*)

Hazard symbols:



Signal words:
WARNING

- Hazard statements:**
H319 – Causes serious eye irritation.
H412 – Harmful to aquatic life with long lasting effects.

- Precautionary statements:**
P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 – If eye irritation persists: Get medical advice/attention.

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

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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.

3.2. Mixtures:

Composition (according to: 648/2004/EC):

- < 5% cationic surfactants
- < 5% non-ionic surfactants
- auxiliary substances not classified as dangerous

INCI: Aqua, Lauryl Glucoside, Polyacrylate-1 Crosspolymer, Benzalkonium Chloride, Cationic Polymer, Lactic Acid.

Identification	Hazardous ingredient/classification	Concentration
CAS: 68424-85-1 WE: 270-325-2 Index: Not applicable Registration: 01-2119965180-41-XXXX	Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16)) (active substance) 50% water solution Acute Tox. 4 H302, Skin Corr. 1B H314, Aquatic Acute 1 H400, Aquatic Chronic 1 H410	1.0%
CAS: 110615-47-9 WE: 600-975-8 Index: Not applicable Registration: 01-2119489418-23-XXXX	C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution Eye Dam 1 H318, Skin Irrit. 2 H315	< 1%
CAS: Polymer WE: Polymer Index: Not applicable Registration: Introductory	Acrylic polymer Aquatic Chronic 2 H411	< 2%
CAS: 79-33-4 WE: 201-196-2 Index: Not applicable Registration: 01-2119474164-39-XXXX	Lactic acid Skin Irrit. 2 H315, Eye Dam 1 H318	< 0.4%

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

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures:

Skin contact:

If product comes into contact with skin, remove all contaminated clothing and flush exposed area with large amount of water. In case of skin changes or burns - get medical attention.

Eye contact:

Flush eyes with running water (for at least 15 minutes) while keeping eyelids open. Get medical attention.

Ingestion:

DO NOT induce vomiting. Drink lots of water. Get medical attention if any alarming symptoms appear (stomachache, nausea) and show them product's label.

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

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Skin:

May cause skin irritation to allergic people.

Eyes:

Irritant to eyes.

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

Get medical attention.

Fresh water and eye-wash preparations must be available on the worksite.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media:**Suitable extinguishing media:**

Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

Unsuitable extinguishing media:

There are not any known extinguishing media that should not be used.

5.2. Special hazards arising from the substance or mixture:

Product is non-flammable.

5.3. Advice for firefighters:

Firefighters should wear self-contained breathing apparatus and full protective clothing. In case of fire, warn the people nearby and 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 chemical-proof gloves (0.11 mm thick), safety glasses.

For emergency responders:

Protective clothes, protective chemical-proof gloves (0.11 thick), self-contained breathing apparatus, safety glasses.

6.2. Environmental precautions:

Avoid discharge into drains, watercourses or onto the ground at all costs.

6.3. Methods and material for containment and cleaning up:

In case of unexpected release of the substance into the environment, inform appropriate services about the emergency and remove any source of ignition. Prevent spills from entering sewers, surface water or groundwater. If it is possible, confine and contain the spill by closing the flow of the liquid, plug the damaged container and put it into leakproof wrapping. For a larger spill, make a dike around the outside edges of the spill and use absorbent materials (sand, sawdust, minced limestone).

Store clean-up materials for disposal as hazardous waste. Decontaminate polluted area with water.

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6.4. Reference to other sections:

See section 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling:

Use personal protection recommended in section 8

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

People with skin allergy or respiratory system problems should not have contact with this product.

Avoid risk – read this instruction sheet carefully before using the product.

After usage, keep container tightly closed and keep it away from unauthorized people.

Use only adequate ventilation to avoid inhalation poisoning.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a tightly closed, original plastic container. Store this product in a dry environment that will be maintained at 5°C - 35°C temperature with a good ventilation system and an easily washable, nonabsorbable alkaline resistant floor.

DO NOT expose the product to sunlight and keep it away from heat, sparks, flame and other sources 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.

NDS/NDSch/NDSP values for individual chemical substances (according to SDS or Chemical Safety Report):

Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16)) (data for highly concentrated substance):

NDS, NDSch, NDSP: not identified

C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution (data for highly concentrated substance):

NDS, NDSch, NDSP: not identified

Acrylic polymer (data for highly concentrated substance):

NDS, NDSch, NDSP: not identified

Lactic acid (data for highly concentrated substance):

NDS, NDSch, NDSP: not identified

DNEL /PNEC values for individual chemical substances (according to SDS or Chemical Safety Report):

Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16)) (data for highly concentrated substance):

DNEL:

Group: workers, Exposure time: long-term, Exposure route: inhalation, Type of effect: systemic effect,

Value: 3.96 mg/m³

PNEC:

Aqua (fresh water): 0.048 mg/l

Aqua (marine water): 0.0048 mg/l

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C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution (data for highly concentrated substance):

No data available.

Acrylic polymer (data for highly concentrated substance):

No data available.

Lactic acid (data for highly concentrated substance):

No data available.

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

8.2. Exposure controls:

RESPIRATORY PROTECTION:

Not needed.

HAND PROTECTION:

Not needed.

EYE/FACE PROTECTION:

Not needed.

SKIN PROTECTION:

Not needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance:	Liquid with increased viscosity level
Odour:	Characteristic for materials used in production
Odour threshold:	No data available
pH:	5 ± 1
Melting point:	No data available
Freezing point:	No data available
Initial boiling point:	No data available
Boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Upper explosive limit:	No data available
Lower explosive limit:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density:	0.997 ± 0.020 g/cm ³
Solubility:	
A) Water:	soluble
B) Organic solvent:	No data available

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Partition coefficient N-Octan: No data available
Partition coefficient Water: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Explosive properties: No data available
Oxidising properties: No data available

9.2. Other information:

Refractive index: 3% 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:

No data available.

10.2 Chemical stability:

Stable under recommended storage conditions (see section 7).

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Avoid heavily warmed rooms without ventilation and long-term exposure to sunlight.

10.5 Incompatible materials:

Alkali, chlorine products

10.6 Hazardous decomposition products:

No data available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

ACUTE TOXICITY:

Skin contact: may cause skin irritation to allergic people

Eye contact: irritant to eyes.

Digestive system: may cause irritation of the mucous membranes.

ATEmix = 7950 (acute toxicity, orally)

DETAILS OF PARTICULAR COMPONENTS (according to substances SDS):

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Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16)) (data for highly concentrated substance):

LD50: 795 mg/kg (rat, orally)

C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution (data for highly concentrated substance):

LD50: > 5000 mg/kg (rat, orally)

Irritant to skin.

May cause serious eye damage.

Inhalation may cause irritation of the mucous membranes.

Acrylic polymer (data for highly concentrated substance):

LD50: > 2000 mg/kg (rat, orally)

LD50: > 2000 mg/kg (rabbit, dermal)

ATE mix: > 20 mg/l/4h

Lactic acid (data for highly concentrated substance):

LD50: 3730 mg/kg (rat, orally)

LC50: > 5 mg/m³ (inhalation)

LD50: > 2000 mg/kg (rabbit, dermal)

Irritates skin.

Risk of seriously damaging eyes.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity:

Data for the mixture ingredients:

Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16)) (data for highly concentrated substance):

LC50: > 0.1 - 1 mg/l/96h (fish)

EC50: > 0.01 - 0.1 mg/l/48h (daphnia)

IC50: > 0.01 - 0.1 mg/l/72h (green algae)

NOEC: > 0.001 - 0.01 mg/l (green algae)

M factor = 10

Harmful to aqua organisms.

C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution (data for highly concentrated substance):

LC50: 100-500 mg/l/96h

Acrylic polymer (data for highly concentrated substance):

EC50: 16 mg/l/3d (algae)

EC50: 3.1 mg/l/3d

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Lactic acid (data for highly concentrated substance):

EC50:	240 mg/l/48h	(daphnia)
LC50:	320 mg/l/48h	(fish)
EC50:	3500 mg/l	(algae)

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.

Data for the mixture ingredients:

Substance	Method	Length	Degraded percentage
Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16))	OECD 301 D	28 days	> 60%
C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution	Biodegradable	Biodegradable	Biodegradable
Acrylic polymer	OECD TG 301 F	28 days	Oxygen impoverishment 4.8%

Lactic acid (data for highly concentrated substance):

Fully soluble in water. L(+) lactic acid quickly decomposes into water and carbon dioxide.

BZT₅ = 0,45 mgO₂/mg

BZT₂₀ = 0,60 mgO₂/mg

ChZT = 0,80 mgO₂/mg

12.3. Bioaccumulative potential:

Bioaccumulation is incredible - data based on mixture ingredients.

12.4. Mobility in soil

Product is water soluble and may sink into groundwater.

12.5. Results of PBT and vPvB assessment:

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 sewage system. Product should be totally used up according to its description.

If it's impossible to do so, 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. Rinse the container several times 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.

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SECTION 14. TRANSPORT INFORMATION

TRADE NAME: SAPONE DEZ EXTRA

- 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:** Yes.
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 LABELS

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.

15.2. Chemical safety assessment

For mixture:

A Chemical Safety Assessment has not been carried out.

Alkyl (C12-16) dimethyl benzyl ammonium chloride (ADBAC/BKC (C12-16):
C12-14 alkyl-D-glucopyranoside, lauryl glucoside water solution:

No data available.

A Chemical Safety Assessment has not been carried out.

Acrylic polymer:

Lactic acid:

A Chemical Safety Assessment has been carried out.

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SECTION 16. OTHER INFORMATION

Information above is based on current knowledge of product in 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, however skin irritating effects were performed based on available dermatological tests - product does not exhibit irritating effects - it's tolerated by skin.

The full list of symbols and H phrases from Section 2 and 3:

Aquatic Chronic 2	– Hazardous to the aquatic environment - Chronic Hazard, category 2.
Aquatic Chronic 1	– Hazardous to the aquatic environment - Chronic Hazard, category 1.
Aquatic Acute 1	– Hazardous to the aquatic environment - Acute Hazard, category 1
Eye Dam. 1	– Serious eye damage, category 1.
Skin Corr. 1B	– Corrosive to skin, category 1B
Skin Irrit. 2	– Causes skin irritation, category 2.
Acute Tox. 4	– Acute toxicity, category 4.
H302	– Harmful if swallowed.
H314	– Causes severe skin burns and eye damage.
H315	– Causes skin irritation.
H318	– Causes serious eye damage.
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.

More information on the product can be found on the specific technical data sheet which is available on 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 producent recommendations)

Changes compared to the previous version:

- general update.

Updated cards versions are now available on www.tenzi.pl

This Safety Data Sheet contains 10 pages. Changes in the content by unauthorized people is prohibited.