

SAFETY DATA SHEET

In accordance with Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2020/878

Date of issuance: 04.04.2022	Issue: 08/2022
According to Regulation (EU) № 1907/2006 (REACH)	Supersedes issue: 07/2016

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY**1.1. Product identifier:**Commercial product name: **SEPTOQUAT AM**Unique Formula Identifier (UFI): **RUE0-80FD-Q006-A00R****1.2. Relevant identified uses of the mixture and uses advised against:**

Disinfection and cleaning of water-resistant (plastic, metal, glass, ceramics, mosaic, terracotta and other) surfaces and objects in hospitals and healthcare institutions, public and commercial places. It can be used as well for disinfection of surfaces, objects and equipment in food processing industry, food stores and sites for collecting, breeding and transporting animals.

1.3. Company identification:

ZHIVAS Ltd, 36, Dondukov Blvd, 1000 Sofia, Bulgaria

Postal address: 14, Assen Yordanov Blvd., Sofia 1592

Telephone/Fax: + 359 2 981 78 23

E- mail: zhivas@techno-link.com,Internet: www.zhivas.com**1.4. Emergency telephone :****2. HAZARDS IDENTIFICATION****2.1 Classification of the mixture:**

The product is classified as hazardous in accordance with the Regulation (EU) 1272/2008 (CLP) (and subsequent amendments).

Hazard classes and hazard categories:

Skin Corr. 1B; H314

Aquatic Acute 1 H400

2.2 Label elements**Hazard-determining components of labelling:**

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Didecyldimethylammonium chloride

Benzalkonium chloride

Pictograms:**(GHS05)****(GHS09)****Signal word: Danger**

Hazard statements

H314-Causes severe skin burns and eye damage

H400 - Very toxic to aquatic life

Precautionary statements:

P102 – Keep out of reach of children

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P303+P361+P353- IF ON SKIN (or hair): Take off immediately all contaminated clothing, rinse skin with water/take a shower.

P273 – Avoid release to the environment

P501- Dispose of contents/container to (point 13).

2.3. Other hazards

- On the basis of the available data, it does not contain substances with PBT or vPvB properties in a percentage more than 0,1 %.
- Ecotoxicological information: The mixture does not contain components considered to have endocrine disrupting properties under REACH Regulation Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Toxicological information: The mixture does not contain components that are considered to have endocrine disrupting properties under REACH Regulation , Article 57(f) or Commission Delegated Regulation (EU) 2017/2100, or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. COMPOSITION/ INFORMATION ON INGREDIENTS
3.2. Mixtures

The mixture as an aqueous solution of N-(3 aminopropyl)-N-dodecylpropan-1,3 diamin, didecyl dimethyl ammonium chloride, benzalkonium chloride, propane-2-ol, etoxylated fatty alcohol, chelating agent

Name of component	CAS №	EC №	Concentration g/100g	Класификация съгласно (EO) № 1272/2008
N-(3 aminopropyl)-N-dodecylpropan-1,3 diamine	2372-82-9	219-145-8	6,0	Acute Tox 3; H301 Skin Corr. 1B; H314 STOT RE 2; H373 Aquatic Acute 1 H400 Aquatic Chronic 1 H 410
Didecyl dimethyl ammonium chloride	7173-51-5	230-525-2	5,0	Acute Tox.4 (орал)H302 Skin Corr. 1B H314 Aquatic Acute 1 H400
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (Benzalkonium chloride).	68424-85-1	939-253-5	10,0	Acute Tox. 4 (*)H302 Skin Corr. 1B H314 Aquatic Acute 1 H400 Aquatic Chronic 1 H 410
Ethoxylated C 12-14 fatty alcohol	68439-50-9	Polymer	< 5,0	AcuteTox.4 (орал),H302 Eye Dam.1, H318

Tetrasodium ethylene diamine tetraacetate (Na ₄ EDTA)	64-02-8	200-573-9	< 5 ,0	AcuteTox.4(опан);H302 Acute Tox.4 (pecn.);H332 Skin Irrit. 2 H315 Eye Dam.1, H318
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For the wording of the listed hazard statements refer to section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Take the subject out into fresh air. Maintain normal body temperature. If symptoms persist call a physician.
Eye contact:	Rinse immediately with plenty of water also under the eyelids for 15 - 20 minutes. Consult with an ophthalmologist.
Skin contact:	Immediately take off the contaminated clothes. Wash the contaminated areas thoroughly with soap and water. Wash the working clothes before using them again.
Ingestion:	Rinse the mouth with plenty of water (if only the person is conscious). Do not induce vomiting. If symptoms persist call a physician

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

Principal routes of exposure:

Oral:	Ingestion may cause irritation to mucous membranes.
Eye contact:	Irritating to eyes.
Skin contact:	May cause irritation by skin contact.
Ingestion:	Ingestion of this material may cause symptoms such as nausea, vomiting, gastric distress.
Inhalation:	Inhalation may cause irritation.

4.3. Indication of any immediate medical attention and special treatment needed: In case of eye contact and ingestion with symptoms of irritation, immediately call for medical help.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media:	Water spray, CO ₂ , dry powder..
5.2. Special hazards, arising from the preparation itself	In case of fire, toxic gases may be formed: CO, CO ₂ . In case of burning of the PE package the following toxic gases may be formed: CO, CO ₂ , light hydrocarbons.
5.3. Advice for firefighters	Standard protective equipment should be worn by fire-fighters. In the event of a large fire toxic fumes containing oxides of carbon may be formed, which would necessitate the use of a self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions:** Avoid direct contact with the eyes. Remove sources of ignition.
- 6.2. Environmental precautions:** Should not be released in the environment.
If the product contaminates the environment inform respective authorities and proceed according to the local legislation
- 6.3. Methods and material for containment and cleaning up:** Absorb by means of suitable inert materials (sand, sawdust or soil). The contaminated material should be collected mechanically for subsequent disposal. Wash with water and detergent.
- 6.4. Reference to other sections:** Refer to protective measures, listed in sections 7 and 8

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling** Follow the operating instructions as specified on the label. Avoid direct contact with the eyes and skin.
Do not allow disposal of the preparation into the environment. Do not use near possible sources of ignition
- 7.2. Conditions for safe storage, including any incompatibilities** Store in well closed original package, in dry and well ventilated premises, at temperatures between 5 °C and 35 °C. Do not expose to direct sunlight. Do not store with strong oxidizers and acids.
- 7.3. Specific end uses** For professional use only

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. Exposure limit values

Limit values for some ingredients in the air of the work environment

No data that the mixture contains substances with occupational exposure limit values.

8.2. Exposure controls

General protective measures: No further data, see item 7.

Hygiene measures: General and local ventilation is recommended in order to control limit values the air of the workplace

Respiratory protection: In case of exceeding the limit values for work environment – use filter respiratory devices.

Hand protection: Use suitable protective gloves resisting to solvents (made of nitril rubber or butyl rubber)

Eye protection: Fully tight goggles

Body protection: Protective clothing. Wash off any dirt that gets onto skin with lots of soap and water.

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Transparent liquid
Colour:	Light yellow/greenish

Odour:	Of fragrance (lemon)
Odour threshold	No data
pH (as supplied)	9.5 – 10.5 (20° C)
Boiling point	Around 100°C
Flash point	46°C
Flamability	Not flammable
Explosive properties	Product is not explosive
Oxidizing properties	No
Vapours pressure	No data
Density , 20 °C	0.95 – 0.99 g/cm ³
Solubility in organic solvents	No data
Solubility in water	Fully miscible
Partition coefficient	Not applicable
Viscosity	Not applicable
Vapour density	No data
Evaporation rate	No data

9.2. Other information – No

10. STABILITY AND REACTIVITY

10.1. Reactivity	Reacts with strong oxidizers and acids.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	Not expected, if followed the instructions for use.
10.4. Conditions to avoid:	High temperatures over 35°C, sources of heat and direct sunlight
10.5. Incompatible materials:	Strong oxidizers and acids.
10.6. Hazardous decomposition products:	Not expected, if followed the instructions for use.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity	LD50 oral, white rats (evaluated) – < 2000 mg/kg body weight.
	LD50 dermal, white rats (evaluated) – > 2000 mg/kg body weight.
Skin and eye irritating effect	Causes burns
Skin sensitization	May cause allergic reaction.

11.2. Additional information	The mixture does not contain components considered to have endocrine disrupting properties under REACH , Article 57(e) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	Classified under the conventional method Dangerous for the environment.
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Very toxic to aquatic organisms.

12.2. Persistence and degradability:

Biotical degradation – very good > 90%.

12.3. Bioaccumulative potential

Bioaccumulation is not expected

12.4. Mobility in soil:

Upon penetration into the soil, it might be expected that underground waters will be reached; Do not allow access to water sources.

12.5. Results of PBT & vPvB assessment:

Unknown to product

12.6. Endocrine disrupting properties

The mixture does not contain components that are considered to have endocrine disrupting properties under REACH Regulation Article 57(e) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

12.7. Other adverse effects

No other adverse environmental impacts are expected (such as ozone destruction, potential for photochemical ozone creation, potential for global warming).

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal should be in accordance with the local, state or national legislation. Contain, absorb and transfer to disposable container.
Dilute with plenty of water. Clean thoroughly.
Do not be disposed of together with household garbage. Do not discharge into drains or the environment; dispose to an authorized waste collection point.

13.2. Contaminated packaging:

European waste catalogue: 18 01 06* - chemicals consisting of or containing dangerous substances 15 01 10* - packing containing dangerous substances. Rinse with water.
Empty packaging should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

To be transported in closed transport vehicles, separated from food and drinks.

14.1 UN Number

- 1760

14.2 UN proper shipping name

- Corrosive liquids, n.o.s

14.3 Transport hazard class(es)

- 8

14.4 Packaging group

- III

14.5 Environmental hazards



Labeling in acc. with ADR,
Labeling in acc. with RID,

Labeling in acc. with IMDG,

Classification of dangerous products acc. P.
2.9.3. of IMDG

14.6 Special precautions for user

Not applicable

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 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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

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;

REGULATION (EU) 2020/878. amending the annex II of Regulation(EC) 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH);

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

DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations;

ESIS : European chemical Substances Information System;

COMMISSION DIRECTIVE 2001/60/EC of 7 August 2001 adapting to technical progress Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations;

Council Directive 91/689/EEC of 12 December 1991 on hazardous waste;

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste;

DIRECTIVE 2008/112/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 amending Council Directives 76/768/EEC, 88/378/EEC, 1999/13/EC and Directives 2000/53/EC, 2002/96/EC and 2004/42/EC of the European Parliament and of the Council in order to adapt them to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.2. Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

16. OTHER INFORMATION

The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product, which conforms to the specification unless otherwise stated. In this case of combinations and mixtures one must make sure, that no new dangers can arise. In any case the user is not exempt from observing all legal, administrative and regulatory procedures, relating to the product, personal hygiene and protection of human welfare and the environment.

Section 1.1: Added Unique Formula Identifier (UFI)

SDS updated according to the requirements of Regulation (EU) 2020/878

Hazard statements (GHS):

H225 Highly flammable liquid and vapour
H301 Toxic if swallowed
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H373 May cause damage to organs through prolonged or repeated exposure
H400 Very toxic to aquatic life