

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended]

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

1.1 Product identifier

ALTAIO Sanitizing Wipes

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: hand and surface disinfection.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: **Bionateo Sp. z o.o.**

Address: Chocimska 6, 62-800 Kalisz, Poland

Telephone: +48625977688

E-mail address for a competent person responsible for SDS: mikolaj@bionateo.com

1.4 Emergency telephone number

112

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Flam. Liq. 2 H225, Eye Irrit. 2 H319

Highly flammable liquid and vapour. Causes serious eye irritation.

2.2 Label elements

Hazard pictograms and signal words



The names of substances on the label

None.

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

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.

P501 Dispose of contents/container to properly labeled waste containers in accordance with national legislation.

2.3 Other hazards

Product does not contain ingredients, which 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

The product consists of wipes soaked in a liquid containing the hazardous substances listed below.

CAS number: 64-17-5 EC number: 200-578-6 Index number: 603-002-00-5 Registration number: 01-2119457610-43-XXXX	<u>ethanol</u> Flam. Liq. 2 H225, Eye Irrit. 2 H319	< 75 %
CAS number: 56-81-5 EC number: 200-289-5 Index number: - Registration number: -	<u>glycerol</u> substance is not classified as hazardous	< 5 %

Full text of each relevant H phrases is given in section 16 of SDS.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact: product intended also for skin disinfection. Consult a doctor if disturbing symptoms occur.

Eye contact: remove contact lenses. Wash the contaminated eye with plenty of water for at least 15 minutes. Avoid powerful water stream – risk of cornea damage. Consult an ophthalmologist if disturbing symptoms occur, show the container or label.

Ingestion: exposure in this way does not typically occur. If accidentally swallowed, do not induce vomiting. Rinse mouth with water. Never give anything by mouth an unconscious person. Consult a doctor if disturbing symptoms occur.

Inhalation: remove the victim to fresh air, keep warm and calm. Consult a doctor if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

No adverse effects other than those resulting from the classification of the product are known.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: water spray, extinguishing powder (type ABC), foam, CO₂.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, the product may produce harmful gases of carbon oxides and other unidentified thermal decomposition products. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

The product is highly flammable Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. In case of fire, cool endangered containers with water spray from the safe distance. Collect used extinguishing media.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Use personal protective measures. Avoid contamination of eyes. Eliminate sources of ignition – do not use an open flame, do not smoke, do not use sparking tools and clothing made of fabrics susceptible to static electricity. Do not inhale vapours. Ensure adequate ventilation.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect the released product mechanically and place it in correctly labelled containers. Treat collected material as waste. Clean the contaminated area. Do not use sparking tools.

6.4 Reference to other sections

Appropriate conduct with waste product – see section 13. Personal protective equipment – see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when using the product. Wash hands before breaks and after work. Ensure adequate ventilation. Do not inhale vapours. Avoid eye contamination. Eliminate sources of ignition - do not use an open flame, do not smoke, do not use sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Store only in tightly closed original packaging, in dry, cool and well ventilated place. Keep away from food, animal feed. Keep away from incompatible materials (see subsection 10.5). Protect from direct sunlight and heat. Eliminate sources of ignition - do not use an open flame, do not smoke, do not use sparking tools. Protect from drying.

7.3 Specific end use(s)

Applications submitted in accordance with section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Product does not contain any components with occupational exposure limit values at working place established in the European Union. Please check also any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

DNEL

ethanol [CAS 64-17-5]

Worker				
Route of exposure	Short-term exposure, systematic	Short-term exposure, local	Long-term exposure, systematic	Long-term exposure, local
Inhalation	—	1900 mg/m ³	950 mg/m ³	—
Skin	—	—	343 mg/kg b.w./day	—

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PNEC

ethanol [CAS 64-17-5]

fresh water:	0,96 mg/l
marine water:	0,79 mg/l
fresh water sediment:	3,6 mg/kg d.m.
marine water sediment:	2,9 mg/kg d.m.
sewage treatment:	580 mg/l
intermittent release:	2,75 mg/l
soil:	0,63 mg/kg d.m.
secondary poisoning:	0,72 g/kg

8.2 Exposure controls

Observe good occupational hygiene and safety practices. Adequate ventilation should be provided in the workplace. Do not eat, drink or smoke when using the product. Wash hands before breaks and after work. Safety showers and separate eye washers should be installed near the workplace.

Hand and body protection

Product for use also on the skin. Use protective gloves in case of a frequent or prolonged exposure when disinfecting the surface. Select the material for the gloves individually at the workplace.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye protection

Use safety glasses if a risk assessment indicates this is necessary.

Respiratory protection

Not required for proper ventilation.

Applied personal protective equipment must comply with the requirements of the Regulation 2016/425/EU. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

Environmental exposure controls

Do not allow to enter large amounts of product to reach ground water or sewage. Possible emissions from the ventilation systems and processing equipment should be controlled in order to determine their compatibility with environmental protection regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

physical state:	liquid on wipes
colour:	acc. to assortment
odour:	characteristic
odour threshold:	not determined
pH:	6,8 – 7,3 (liquid)
melting point/freezing point:	not determined
initial boiling point and boiling range:	> 35 °C (liquid)
flash point:	< 23 °C (liquid)
evaporation rate:	not determined
flammability (solid, gas):	not applicable
upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined

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density:	0,82 – 0,86 g/cm ³
solubility(ies):	not soluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not determined

9.2 Other information

No additional test results.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Product is reactive. It does not undergo dangerous polymerization. See also subsections 10.3-10.5.

10.2 Chemical stability

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

Vapours of liquid may form explosive mixtures with air.

10.4 Conditions to avoid

Avoid high temperatures, sources of fire and heat, electrostatic discharge, direct sunlight. Protect from drying.

10.5 Incompatible materials

Strong oxidizing agents, strong acids, bases.

10.6 Hazardous decomposition products

Hazardous decomposition products are not expected under normal use and storage.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicity of the components

ethanol [CAS 64-17-5]

LD₅₀ (oral, rat) 6200 – 15000 mg/kg

LC₅₀ (inhalation) > 50 mg/l/ 4h

Toxicity of the mixture

Acute toxicity

Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye irritation.

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.

Carcinogenicity

Based on available data, the classification criteria are not met.

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Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Skin contact: no adverse effects are known.

Eye contact: possible redness, tearing, burning, irritation.

Ingestion: there is usually no exposure through this route, if swallowed, possible abdominal pain, diarrhea, nausea, vomiting.

Inhalation: high vapor concentration may cause headache and dizziness.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity of the components

ethanol [CAS 64-17-5]

LC ₅₀ (fish)	42 mg/l/96h/ <i>Oncorhynchus mykiss</i>
LC ₅₀ (shellfish)	25,5 mg/l/48h/ <i>Artemia franchiscana</i>
EC ₅₀ (daphnia)	2 mg/l/ 48h/ <i>Daphnia magna</i>
NOEC (daphnia)	< 6300mg/l/ 48h/ <i>Daphnia magna</i>

Toxicity of the mixture

The product is not classified as hazardous to the environment.

12.2 Persistence and degradability

Data of the components:

ethanol [CAS 64-17-5]

Biodegradation: 84 %

Substance is easily biodegradable.

12.3 Bioaccumulative potential

Data of the components:

ethanol [CAS 64-17-5]

Bioaccumulation is not expected.

12.4 Mobility in soil

The product is insoluble in water and is not mobile in soil. Mobility of components of the mixture in soil depends on the hydrophilic and hydrophobic properties and biotic and abiotic conditions of soil, including its structure, climatic conditions, seasons and soil organisms.

12.5 Results of PBT and vPvB assessment

Product does not contain ingredients, which meet criteria for PBT or vPvB.

12.6 Other adverse effects

The mixture is not classified as hazardous to the ozone layer and global warming.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal methods for the product: do not empty into drains. Store the remains in original containers. Dispose in accordance with the local legislation. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycle/eliminate empty containers in accordance with the local legislation. Only completely emptied packaging can be recycled.

Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN 3175

14.2 UN proper shipping name

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. [ETHANOL]

14.3 Transport hazard class(es)

4.1

14.4 Packing group

II

14.5 Environmental hazards

Product is not classified as dangerous for the environment according to transport regulations.

14.6 Special precautions for user

Avoid sources of ignition and fire. Use personal protective equipment in accordance with section 8.

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

Not applicable.

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 18 December 2006 concerning the Registration, Evaluation, Authorization 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 as amended.

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 as amended.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

ADR European Agreement concerning the international carriage of dangerous goods by road.

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

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

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Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

SECTION 16: OTHER INFORMATION

Full text of indicated H phrases mentioned in section 3

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

Clarification of aberrations and acronyms

PBT Persistent, Bioaccumulative and Toxic substance
vPvB very Persistent, very Bioaccumulative substance
Flam. Liq. 2 Flammable liquid category 2
Eye Irrit. 2 Eye irritation category 2
DNEL Derived No-Effect Level
PNEC Predicted No Effect Concentration

Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

Key literature references and data sources

This MSDS was prepared on the MSDS of components, literature data, online databases (eg. ECHA, TOXNET, COSING), our knowledge and experience, taking into account the current legislation.

Procedures used to classify the mixture

Classification was based on physicochemical data of the mixture and on the content of hazardous substances by calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Other data

Date of issue: 14.07.2020
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Composed by: Dominika Gajewska (on the basis of producer's data)
Safety Data Sheet made by: „**THETA Doradztwo Techniczne**”

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.