

**SAFETY DATA SHEET**  
(REACH regulation (EC) n° 1907/2006 -n° 2015/830)

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

**1.1. Product identifier**

Product name: ASEPSO PROFESSIONAL HAND GEL+

**1.2. Relevant identified uses of the substance or mixture and uses advised**

Hand Sanitizer Gel

Use descriptor System (REACH): PC39

**1.3. Details of the supplier of the safety data sheet**

Codaa Switzerland, Unit B, 3rd Floor, Mühlenalstrasse 2,  
8201 Schaffhausen, Switzerland.  
Telephone: +41526330321

**1.3. Emergency telephone number:** Contact local emergency number

Association/Organisation:

**SECTION 2: HAZARDS IDENTIFICATION**

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

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Flammable liquid, Category 2 (Flam. Liq. 2, H225).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present an environmental hazard.

No known or foreseeable environmental damage under standard conditions of use.

**2.2. Label elements**

Biocidal mixture (see section 15).

**In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms



GHS02



GHS07

Signal Word: DANGER

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements - General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention:

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

Precautionary statements - Response:

P337 + P313 If eye irritation persists: Get medical advice/attention.

Precautionary statements - Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Precautionary statements - Disposal:

P501 Dispose of contents/containers according to national regulation.

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**2.3. Other hazards**







The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table> The mixture Fulfills neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Not applicable

**3.2. Mixtures**

Composition:

Identification:	Labels	Note	%
<b>ETHANOL</b> CAS: 64-17-5 EC:200-578-6 INDEX No: 603-002-578-6 N. REG. REACH: 01-2119457610-430090	 	Flam. Liq. 2, H225 Eye Irritant. 2, H319	60 - 80
<b>PHENOXYETHANOL</b> CAS: 122-99-6 EC: 204-589-7 INDEX No: 603-098-00-9 N. REG. REACH:01-2119488943-21-0000		Eye Irritant. 2, H319 Acute Tox. 4, H302	0.1 - 1.0
<b>2-AMINO-2-METHYL-1- PROPANOL</b> CAS: 124-68-5 EC: 204-709-8 INDEX No: N. REG. REACH:		Skin Irrit. 2, H315 Eye Dam. 2, H319 Aquatic Chronic 3, H412	0.1 – 0.5
<b>3-(2-ETHYLHEXYLOYL)PROPANE-1,2-DIOL</b> CAS: 70445-339 EC: 408-080-2 INDEX No: 603-168-00-9 N. REG. REACH: 01-0000015745-65-0001	 	Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Chronic 2, H412	0.1 – 0.5

(Full text of H-phrases: see section 16)

**Information on ingredients:**

[1] Substance for which maximum workplace exposure limits are available.

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**SECTION 4: FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing by an unconscious person.

**4.1. Description of first aid measures****In the event of splashes or contact with eyes:**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of swallowing:**

Seek medical attention, showing the label.

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

No data available.

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

No data available.

**SECTION 5: FIRE FIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable methods of extinction**

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed:

-carbon monoxide (CO)

-carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus

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

Consult the safety measures listed under headings 7 and 8.

**For non-first aid worker**

Avoid any contact with the skin and eyes.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

**SECTION 7: HANDLING & STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

**Fire prevention:**

Handle in well-ventilated areas.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically non-conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.

**Prohibited equipment and procedures:**

No smoking, eating or drinking in areas where the mixture is used.

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

No data available.

**Storage**

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

Do not store below 5° C and above 30° C.

**Packaging**

Always keep in packaging made of an identical material to the original.

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

No data available.

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits:**

**Components with limit values that require monitoring at the workplace (ITALY):**

EC Number	CAS Number	Denominazione dell'agente	VALORE LIMITE			
			8 ore		Breve Termine	
			Mg/m <sup>3</sup>	ppm	Mg/m <sup>3</sup>	ppm
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**Other control parameters information**

**ETHANOL**

CAS: 64-17-5

EC:200-578-6

**DNEL**

Long-term systemic effects (inhalation): 950 mg/m<sup>3</sup>

Short term local effects (inhalation): 1900 mg/m<sup>3</sup>

Long term systemic effects (Dermal): 343 mg/m<sup>3</sup>

**2-PHENOXYETHANOL**

CAS: 122-99-6

EC: 204-589-7

**DNEL**

Long term systemic effects (Dermal): 20.83 mg/kg bw/day

Long term systemic and local effects (inhalation): 8.07 mg/m<sup>3</sup>

**8.2. Exposure controls**

**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**-Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

**-Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Recommended properties:

-Impervious gloves in accordance with standard EN374.

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#### -Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

### 9.1. Information on basic physical & chemical properties

#### General information:

Physical state: Viscous liquid

#### Important health, safety & environmental information

pH:	7.7 – 8.6
Boiling point/range:	>35°C
Flash Point:	No data available
Vapour Pressure (50°C):	Not relevant.
Density:	0.84 – 0.94
Viscosity:	5500 – 8500 cps
Water solubility:	Soluble.
Melting point/Melting range:	No data available
Self-ignition temperature:	No data available
Decomposition point/Decomposition range:	No data available
COV:	70.3 – 77.7%

### 9.2 Other information

No data available

## SECTION 10: STABILITY & REACTIVITY

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid:

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

### 10.5. Incompatible materials

No data available.

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11: TOXICOLOGICAL INFORMATION****ETHANOL**

CAS: 64-17-5

EC:200-578-6

INDEX No: 603-002-578-6

Values LD50/LC50 relevant for classification

INHALATION - Rat (10h)

Value = 20.000 ppm

ORAL - Rat

Value = 7.060 mg/kg

Dermal - Rabbit

Value = 20 g/kg

**3-(2-ETHYLHEXYLOYL)PROPANE-1,2-DIOL**

CAS: 122-99-6

EC: 204-589-7

INDEX No: 603-098-00-9

Values LD50/LC50 relevant for classification

INHALATION - Rat

Value = &gt; 3.07 mg/l

ORAL - Rat

Value = &gt; 2.000 mg/kg

DERMAL - Rat

Value = &gt; 2.000 mg/kg

**2-PHENOXYETHANOL**

CAS: 70445-339

EC: 408-080-2

INDEX No: 603-168-00-9

Values LD50/LC50 relevant for classification

INHALATION - Rat

Value = > 1000 mg/m<sup>3</sup>

ORAL - Rat

Value = &gt; 1.850 mg/kg

DERMAL - Rabbit

Value = &gt; 2.214 mg/kg

**Information about presumable ways of exposure**

The mixture is not toxic through any route of exposure (Oral/cutaneous/inhalation)

**Symptoms related to the physical, chemical and toxicological**

No further information

**Immediate, delayed and chronic effects resulting from short and long-term exposures**

No further information

**Interactive effects**

No further information

**Lack of specific data**

No further information

**Other information**

None

**SECTION 12: ECOLOGICAL INFORMATION****ETHANOL**

CAS: 64-17-5

EC Number: 200-578-6

EC<sub>50</sub> / 24 h – 23,9 g/l (Artemia salina)EC<sub>50</sub> / 48 h – 18 g/l (Chlamydomonas eugametos)EC<sub>50</sub> / 48 h – 12,34 g/l (Daphnia Magna)EC<sub>50</sub> / 48 h – 5,012 g/l (Ceriodaphnia dubia)EC<sub>50</sub> / 48 h – 857 mg/l (Artemia salina nauplii)EC<sub>10</sub> / 72 h – 11,5 mg/l (Chlorella vulgaris)EC<sub>50</sub> / 72 h – 275 mg/l (Chlorella vulgaris)EC<sub>10</sub> / 72 h – 0,44 g/l (Selenastrum capricornutum)EC<sub>50</sub> / 72 h – 12,9 g/l (Selenastrum capricornutum)LC<sub>50</sub> / 96 h – 13 g/l (Salmo gairdneri)LC<sub>50</sub> / 96 h – 13,5, 14,2 and 15,3 g/l (Pimephales promelas)

NOEC / 21 d – &gt;10 mg/l (Daphnia magna)

NOEC / 10 d – 79 mg/l (Palaemonetes pugio)

NOEC / 5 d – 3,24 g/l (Skeletonema costatum)

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2-Amino-2-methyl-1-propanol  
CAS: 124-68-5  
EC Number: 204-709-8

EC<sub>50</sub>/3 h – 342,9 mg/l (Activated sludge – OECD 209)  
LC<sub>50</sub>/48 h – 193 mg/l (Daphnia magna – OECD 202)  
LC<sub>50</sub>/48 h – 331 mg/l (Leuciscus idus – OECD 203)  
EC<sub>50</sub>/72 h – 565,5 mg/l (Alga Scenedesmus sp. – OECD 201)  
LC<sub>50</sub>/96 h – 190 mg/l (Lepomis macrochirus – OECD 203)  
LC<sub>50</sub>/96 h – 184 mg/l (European plaice – OECD 203)  
LC<sub>50</sub>/96 h – 179 mg/l (Crangon crangon – OECD 202)

3-(2-ethylhexyloxy)propane-1,2-diol  
CAS: 70445-33-9  
EC Number: 408-080-2

EC<sub>50</sub> / 24 h – 89,6 mg/l (Daphnia)  
LC<sub>50</sub> / 72 h – 48,3 mg/l (Green algae)  
LC<sub>50</sub> – 60,2 mg/l (Brachydanio Rerio)  
NOEC / 35 d – 1,5 mg/l (Brachydanio Rerio)  
NOEC / 21 d – 20 mg/l (Daphnia)

**12.2. Persistence and degradability**

**ETHANOL** (CAS: 64-17-5)  
Easily biodegradable (BOD<sub>20</sub>=84%)

**2-AMINO-2-METHYL-1-PROPANOL** (CAS: 124-68-5)  
Easily biodegradable (BOD<sub>20</sub>=89,3%)

**12.3. Bio-accumulative potential**

**ETHANOL** (CAS: 64-17-5)  
Based on the n-octanol/water partition coefficient, ethanol has a low bioaccumulation content.

**2-AMINO-2-METHYL-1-PROPANOL** (CAS: 124-68-5)  
Based on the n-octanol/water partition coefficient, ethanol has a low bioaccumulation content.

**12.4. Mobility in soil**

**ETHANOL** (CAS: 64-17-5)  
If released in air or water the product disperses rapidly. If released to the ground it tends to evaporate quickly. The product is volatile and soluble in water. If released into the environment it will restart in air and water. The product is poorly absorbed in soil and sediment.

**2-AMINO-2-METHYL-1-PROPANOL** (CAS: 124-68-5)  
Potential for mobility in soil is very high (K<sub>oc</sub> between 0 and 50)

**12.5. Results of PBT and vPvB assessment**

No PBT/vPvB ingredient is known in the mixture with a concentration >0,1% w/w.

**12.6. Other adverse effects**

No further information.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1. Waste treatment methods**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:**



Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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**SECTION 14: TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2019 -IMDG 2018 -ICAO/IATA 2019).

**14.1. UN number**

1170

**14.2. UN proper shipping name**

UN1170=ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**14.3. Transport hazard class(es)**

Classification: 3



**14.4. Packing group: II**

**14.5. Environmental hazards**

Not dangerous to the the environment

**14.6. Special precautions for user**

No further information

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not evaluated

**SECTION 15: REGULATORY INFORMATION**

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

**-Classification and labelling information included in section 2:**

The following regulations have been used:

-EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)

-EU Regulation No. 1272/2008 amended by EU Regulation No. 2019/521 (ATP 12)

**-Container information:**

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

**-Particular provisions:**

No data available.

## 15.2. Chemical safety assessment

No data available.

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#### SECTION 16: OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Wording of the phrases mentioned in section 3:

H225	Highly flammable liquid and vapour.
H304	Maybe fatal if swallowed and enters airways.
H315	Causes skin irritation
H319	Causes serious eye irritation.
H336	May cause drowsiness and dizziness.
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

#### Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by Road.

IMDG: International Maritime Dangerous Goods.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation

RID: Regulations concerning the International carriage of Dangerous goods by rail.

WGK: Water Hazard Class.

GHS02: Flame

GHS07: Exclamation mark

PBT: Persistent, bio-accumulable and toxic.

vPvB: Very persistent, very bio-accumulable.

SVHC: Substances of very high concern.