

SECTION1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product code : CENTELLA ASIATICA HYDROALCOHOLIC TINCTURE 60°
Trades code : 14480

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

Substance
Professional use[SU22]

Uses advised against
Do not use for purposes other than those listed.

1.3. Details of the supplier of the safety data sheet

FARMALABOR SRL
VIA OBERDAN, 52 ZI 76012 CANOSA DI PUGLIA (BT)
tel. 0039 0883611301
fax. 0039 0883666140
e-mail: info@farmalabor.it

1.4. Emergency telephone number

Centro Antiveneni Ospedale Niguarda (MI) - 0039 0266101029 24 hours a day

SECTION2. Hazards identification

2.1. Classification of the substance or mixture

CAS 84696-21-9 EINECS 283-640-5

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS02, GHS07

Hazard Class and Category Code(s):
Flam. Liq. 2, Eye Irrit. 2

Hazard statement Code(s):
H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.

The product easy inflames if subordinate to an ignition source.
If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS02, GHS07 - Danger

Hazard statement Code(s):
H225 - Highly flammable liquid and vapour.
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Precautionary statements:**Prevention**

- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical/ventilating/lighting equipment.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370+P378 - In case of fire: Use CO₂, powder extinguisher or nebulized water to extinguish.

Storage

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

Disposal

- P501 - Dispose of contents/container in accordance with local/regional/international regulations.

2.3. Other hazards

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

No information on other hazards.

SECTION3. Composition/information on ingredients**3.1 Substances**

Irrilevant.

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements.

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
ETHANOL	57,0 - 63,0 %	Flam. Liq. 2, H225; Eye Irrit. 2, H319		64-17-5	200-578-6	
WATER	to 100%			7732-18-5	231-791-2	
CENTELLA ASIATICA EXTRACT	<= 5,0 %			84696-21-9	283-640-5	

SECTION4. First aid measures**4.1. Description of first aid measures****Inhalation:**

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

- Take contaminated clothing immediately off.
- In case of contact with skin, wash immediately with water and soap.
- Warning: this product is toxic to skin contact. Consult a physician.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately.
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine.

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

If eye irritation persists: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

In the case of fire use: CO₂, powder extinguisher or nebulized water.

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus.

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction.

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...).

Keep containers cool with water spray.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke.

Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations.

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Rapidly recover the product, wear a mask and protective clothing.

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:
After wiping up, wash with water the area and materials involved.

6.3.3 Other information:
None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors
Do not smoke at work.
At work do not eat or drink.
See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and direct exposure of sunlight.
Keep containers tightly closed.
Always store in well ventilated areas.
Never close the container tightly, leave a chance to vent.
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.
Keep away from flames and spark. Avoid static discharges.

7.3. Specific end use(s)

Professional use:
No data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

ETHANOL:

ACGIH exposure control:

TLV-TWA: 1000 ppm; 1880 mg/m³-A3

DNEL:

Inhalation (short term): 1900 mg/m³ (1000 ppm)

Inhalation (long-term, systemic): 950 mg/m³ (500 ppm)

Dermal (long-term, systemic): 343 mg/m³ (mg/kg bw/day)

PNEC

Fresh water: 0.96 mg/l

Sea water: 0.96 mg/l

Sediment (fresh water): 3.60 mg/kgdw

Sediment (seawater): 2.90 mg/kgdw

Soil: 0.63 mg/kgdw

Oral: 0.72 mg/kgdw

8.2. Exposure controls



Appropriate engineering controls:

Professional use:

The usual precautionary measures for handling chemicals should be observed.

Individual protection measures:

(a) Eye/face protection

When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection

Manipulate with nitrile rubber or butyl rubber gloves, with high penetration time (EN 374-3).

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Not needed for normal use.

(d) Thermal hazards

No hazard to report.

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	green-brown liquid	
Odour	not determined	
Odour threshold	not determined	
pH	4,0-7,0	
Melting point/freezing point	-114°C (ethanol 96°C)	
Initial boiling point and boiling range	approx. 80°C	
Flash point	23-25°C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	not determined	
Upper/lower flammability or explosive limits	19,0 - 3,3 % (V) (ethanol 96°C)	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	0,900-0,940 g/ml	
Solubility	moderately soluble in water	
Water solubility	moderately soluble	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	363°C (ethanol 96°C)	

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Physical and chemical properties	Value	Determination method
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Avoid reactions with strong oxidizing substances; alkali metals in contact with ethanol develop hydrogen; sodium hypochlorite added to ethanol may result in explosions. The addition of ethanol to concentrated hydrogen peroxide leads to the formation of an explosive compound to impact.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

In contact with ignition sources option of fire/explosion.

10.4. Conditions to avoid

Heat, flames, sparks. Avoid storage in poorly ventilated places. Do not store the substance under direct sunlight. Avoid extreme humidity conditions. Avoid the accumulation of electrostatic charges.

10.5. Incompatible materials

Strong inorganic acids, strong oxidizing substances, sodium hypochlorite, hydrogen peroxide. The reactions with strong oxidizing substances can have explosive course. Alkali metals in contact with ethanol develop hydrogen (flammable gas). Hypochlorite added to ethanol may result in explosion. The addition of ethanol in concentrated hydrogen peroxide leads to the formation of an explosive mixture.

10.6. Hazardous decomposition products

In case of combustion products: oxides of carbon.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 0,0 mg/kg
ATE(mix) dermal = 0,0 mg/kg
ATE(mix) inhal = 0,0 mg/l/4 h

(a) acute toxicity:

ETHANOL:

LD50 (oral, rat): 6200-15000 mg/kg

LC50 (inhalation, rat): > 50 mg/m³

(b) skin corrosion/irritation not applicable

(c) serious eye damage/irritation: If brought into contact with eyes, the product, causes significant irritations which may last for more than 24 hours.

(d) respiratory or skin sensitization: not applicable

- (e) germ cell mutagenicity: not applicable
- (f) carcinogenicity: not applicable
- (g) reproductive toxicity: not applicable
- (h) specific target organ toxicity (STOT) single exposure: not applicable
- (i) specific target organ toxicity (STOT) repeated exposure: not applicable
- (j) aspiration hazard: not applicable

SECTION12. Ecological information

12.1. Toxicity

Related to contained substances:

ETHANOL:

- LC50 - fish - *Salmo gairdneri*: 13 g/l - 96 h
- LC50 - Minnows Pimephales: 13.5- 14.2 and 15.3 g/l -96 h
- EC50 *Daphnia Magna* - 12.34 mg/l - 48 h
- NOEC (reproduction, 21 days) - *Daphnia Magna*- > 10 mg/l
- NOEC (growth, 10 days) - *Palaemonetes dagger* - 79 mg/l
- EC50 - *Artemia salina* - 23.9 g/l -24 h
- EC50 - *Artemia salina* nauplii - 857 mg/l - 48 h
- EC50 - *Chlorella vulgaris* - 275 mg/l - 72 h
- EC10 - *Chlorella vulgaris* - 11.5 mg/l - 72 h
- EC50 - *Selenastrum Capricornutum* - 12.9 g/l - 72 h
- EC10 - *Selenastrum Capricornutum* - 0.44 g/l - 72 h
- EC50 - *Chlamydomonas eugametos* -18 g/l - 48 h
- NOEC - *Chlamydomonas eugametos* - 7.9 g/l
- NOEC (5 days) - *Skeletonema costatum* - 3.24 g/l

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects

No adverse effects.

SECTION13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate

according to local and national rules in force.

SECTION14. Transport information

14.1. UN number

1170

If subject to the following characteristics is ADR exempt:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

Class : 3

Label : 3

Tunnel restriction code : D/E

Limited quantities : 5 L

EmS : F-E, S-D

14.4. Packing group

III

14.5. Environmental hazards

Product is not environmentally hazardous.

Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement and the provisions A.D.R national regulations.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations.

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

It is not intended to carry bulk.

SECTION15. Regulatory information

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

No data available.

15.2. Chemical safety assessment

The supplier has made an assessment of chemical safety.

SECTION16. Other information

16.1. Other information

Points modified compared to previous release: 2.1. Classification of the substance or mixture, 2.2. Label elements, 2.3.

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Other hazards, 3.2 Mixtures, 4.1. Description of first aid measures, 4.3. Indication of any immediate medical attention and special treatment needed, 5.1. Extinguishing media, 6.1. Personal precautions, protective equipment and emergency procedures, 6.3. Methods and material for containment and cleaning up, 7.2. Conditions for safe storage, including any incompatibilities, 8.1. Control parameters, 8.2. Exposure controls, 10.1. Reactivity, 10.3. Possibility of hazardous reactions, 10.4. Conditions to avoid, 10.5. Incompatible materials, 10.6. Hazardous decomposition products, 11.1. Information on toxicological effects, 12.1. Toxicity, 12.5. Results of PBT and vPvB assessment, 13.1. Waste treatment methods, 14.6. Special precautions for user

Description of the hazard statements exposed to point 3.

H225 = Highly flammable liquid and vapour.

H319 = Causes serious eye irritation.

Classification based on data of all mixture components.

Main normative references:

Directive 1999/45/EC

Directive 2001/60/EC

Regulation 1272/2008/EC

Regulation 2010/453/EC

*** This Board cancels and replaces any previous edition.
