

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : CENTELLA ASIATICA COSMELENE
Product code : 020002
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Cosmetic ingredient

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

GREENTECH
Biopôle Clermont Limagne
63360 SAINT BEAUZIRE - FRANCE
T + 33 473 33 99 00 - F 04 73 33 91 32
greentech@greentech.fr

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Worldwide	World directory of poisons centres (Yellow Tox) WHO-OMS		http://www.who.int/gho/phe/ch/emical_safety/poisons_centres/en/	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not established.

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BUTYLENE GLYCOL	(CAS-No.) 107-88-0 (EC-No.) 203-529-7 (REACH-no) 01-2119455875-25	90 - 99	Not classified
CENTELLA ASIATICA LEAF EXTRACT	(CAS-No.) 84696-21-9 (EC-No.) 283-640-5	1 - 10	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove victim to fresh air. If you feel unwell, seek medical advice. Assure fresh air breathing. Allow the victim to rest.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Continue to rinse eye with clean water for 20-30 minutes, retracting eyelids often. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Give nothing to eat or drink. Do not induce vomiting. Get immediate medical advice/attention. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. dry chemical powder. Foam. Water spray. Carbon dioxide. Sand. Dry powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Combustible liquid. direct fire hazard.
Reactivity in case of fire	: Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein.
Hazardous decomposition products in case of fire	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Firefighting instructions	: Evacuate area. Only qualified personnel equipped with suitable protective equipment may intervene. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Prevent fire fighting water from entering the environment. Cool adjacent tanks / containers / drums with water jet.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes. Handle in accordance with good industrial hygiene and safety practice.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Evacuate area.
Emergency procedures	: If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory equipment. Avoid contact with skin and eyes. Equip cleanup crew with proper protection.
Emergency procedures	: If spillage occurs on the public highway, indicate the danger and notify the authorities (police, fire brigade). Evacuate the danger area. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	: Dike for recovery or absorb with appropriate material. Stop leak if safe to do so.
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other information	: Comply with local regulations for disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from sources of ignition - No smoking. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Take precautionary measures against static discharge. Provide local exhaust or general room ventilation.

Storage conditions : Store in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep the container hermetically sealed. Store tightly closed in a dry and cool place. Keep container closed when not in use. Keep only in original container.

Incompatible products : Strong acids. Strong bases. Strong oxidisers.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Limpid to slightly opalescent.
Colour	: Light yellow to green yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available

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Relative vapour density at 20 °C	: No data available
Relative density	: 1,01 - 1,024
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Decomposes on exposure to temperature rise: release of toxic/corrosive/combustible gases/vapours acrolein. On burning: release of carbon monoxide - carbon dioxide. Reacts violently with (strong) oxidizers: (increased) risk of fire/explosion. Reacts violently with (some) acids: (increased) risk of fire/explosion.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Water, humidity. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong oxidisers. Strong bases.

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

BUTYLENE GLYCOL (107-88-0)

LD50 oral rat	22800 mg/kg
LD50 dermal rabbit	> 20000 mg/kg
Skin corrosion/irritation	: Not irritating to skin
Serious eye damage/irritation	: Not irritant for the eyes
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

BUTYLENE GLYCOL (107-88-0)

NOAEL (chronic, oral, animal/male, 2 years)	5000 mg/kg bodyweight
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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

BUTYLENE GLYCOL (107-88-0)

LOAEL (oral, rat)	12000 mg/kg bodyweight
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STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

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BUTYLENE GLYCOL (107-88-0)	
LC50 fish 2	> 100 mg/l <i>Oryzias latipes</i>
EC50 Daphnia 1	> 1000 mg/l <i>Daphnia magna</i> (48h)
EC50 other aquatic organisms 1	> 1070 mg/l <i>Desmodesmus subspicatus</i> (72h)

12.2. Persistence and degradability

BUTYLENE GLYCOL (107-88-0)	
Persistence and degradability	Product is biodegradable. 81% (28d).

12.3. Bioaccumulative potential

BUTYLENE GLYCOL (107-88-0)	
Log Pow	-0,2909

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Comply with local regulations for disposal. Do not discharge the product into the environment.
Sewage disposal recommendations	: Do not discharge into drains.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR)	: Not established.
UN-No. (IMDG)	: Not established.
UN-No. (IATA)	: Not established.
UN-No. (ADN)	: Not established.
UN-No. (RID)	: Not established.

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not established.
Proper Shipping Name (IMDG)	: Not established.
Proper Shipping Name (IATA)	: Not established.
Proper Shipping Name (ADN)	: Not established.
Proper Shipping Name (RID)	: Not established.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: Not established.
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IMDG

Transport hazard class(es) (IMDG)	: Not established.
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IATA

Transport hazard class(es) (IATA)	: Not established.
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ADN

Transport hazard class(es) (ADN)	: Not established.
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RID

Transport hazard class(es) (RID)	: Not established.
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14.4. Packing group

Packing group (ADR)	: Not established.
Packing group (IMDG)	: Not established.
Packing group (IATA)	: Not established.
Packing group (ADN)	: Not established.

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Packing group (RID) : Not established.

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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

Not established.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : 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.

Other information : None.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.