



SAFETY DATA SHEET (SDS)

Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No. 1907/2006 (REACH, as amended)

SECTION 1: Identification

Item	Details
Product Name	Green Cognac Essential Oil
Alternative Names	Cognac Oil Green, Green Cognac Oil, Wine Lees Oil, Lie de Vin Oil, Wine Yeast Oil
Botanical Name	<i>Vitis vinifera</i> L.
INCI Name	Vitis Vinifera Oil
Primary CAS Number	8016-21-5
EC Numbers	232-403-4
FEMA Number	2331
Plant Material	Fermented wine lees and residual grape material
Extraction Method	Steam distillation
Typical Origin	France
Product Type	Natural essential oil / Natural Complex Substance
Recommended Use	Professional perfumery, fragrance compounds, flavour preparations, cosmetics and related industrial applications
Uses Advised Against	Internal consumption as supplied, smoking, vaping, direct undiluted skin application and uncontrolled household use

Green Cognac Essential Oil is obtained from wine lees derived from *Vitis vinifera*. Commercial references describe the material as steam distilled from the fermented residue produced during winemaking and Cognac manufacture.

SUPPLIER DETAILS

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SECTION 2: HAZARD IDENTIFICATION



Classification According to GHS / CLP

Hazard Class Category Hazard Statement

Flammable liquids Category 3 H226: Flammable liquid and vapour

A dedicated Green Cognac Essential Oil SDS classifies the material as a Category 3 flammable liquid and reports a flash point of approximately 42.2°C.

Signal Word

WARNING

Hazard Pictogram

- GHS02 — Flame

Hazard Statement

- H226: Flammable liquid and vapour.

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 and bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating and lighting equipment where required.
- P242: Use non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P261: Avoid breathing vapour, mist or spray.
- P264: Wash hands and exposed skin thoroughly after handling.
- P280: Wear protective gloves and eye or face protection.

Response

- P303+P361+P353: IF ON SKIN OR HAIR: Remove immediately all contaminated clothing. Rinse skin with water or shower.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists, obtain medical advice.
- P370+P378: In case of fire, use carbon dioxide, dry chemical powder or alcohol-resistant foam.



Storage and Disposal

- P403+P235: Store in a well-ventilated place. Keep cool.
- P501: Dispose of contents and container in accordance with applicable regulations.

Other Hazards

- Concentrated vapours may cause headache, nausea or respiratory discomfort.
- Direct contact may cause temporary skin or eye irritation.
- Natural composition may vary between batches.
- Residual low-boiling alcohols, esters or aldehydes may influence the flash point.
- Empty containers may retain flammable vapours.
- The material is not intended for direct undiluted application.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance

Component	CAS Number	EC Number	Concentration
Cognac Essential Oil / Wine Lees Oil	8016-21-5	232-403-4	Approximately 100%

Alternative Substance Identity

Identity	Reference
Grape-derived essential oil / extract	CAS 84929-27-1
EC Number	284-511-6

Representative Naturally Occurring Constituents

Green Cognac Essential Oil is a complex natural distillate that may contain:

- Ethyl esters of naturally occurring fatty acids
- Ethyl octanoate
- Ethyl decanoate
- Ethyl dodecanoate
- Ethyl hexanoate
- Isoamyl alcohol
- Higher alcohols
- Acetaldehyde
- Fatty acids
- Furfural
- Cuminaldehyde
- Other fermentation-derived esters, aldehydes and alcohols



The exact proportions depend on the wine lees, fermentation process, distillation conditions and production batch. One supplier SDS reports naturally occurring furfural below 0.01%.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the affected person to fresh air.

Keep the person at rest in a position comfortable for breathing.

Obtain medical advice if coughing, dizziness, headache, nausea or respiratory discomfort develops or persists.

Skin Contact

Remove contaminated clothing and footwear.

Wash the affected area thoroughly with soap and plenty of water.

Obtain medical advice if irritation, redness or discomfort persists.

Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with clean water for at least 15 minutes.

Remove contact lenses when present and easy to do. Continue rinsing.

Do not rub the affected eye.

Obtain medical advice if irritation persists.

Ingestion

Rinse the mouth with water.

Do not induce vomiting unless instructed by qualified medical personnel.

Obtain medical advice if a significant quantity has been swallowed or if symptoms develop.



Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects

Possible symptoms include:

- Temporary eye irritation
- Skin redness or discomfort
- Headache
- Dizziness
- Nausea
- Respiratory irritation following excessive vapour exposure
- Gastrointestinal discomfort following ingestion

Advice to Medical Personnel

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Fine water spray or fog

Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet, because it may spread burning material.

Specific Fire Hazards

The product is flammable.

Vapours may:

- Form flammable mixtures with air.
- Travel to a source of ignition.
- Flash back.
- Accumulate in enclosed or low areas.

Combustion may produce:



- Carbon monoxide
- Carbon dioxide
- Smoke
- Irritating organic vapours
- Aldehydes
- Unidentified decomposition products

Protective Equipment for Firefighters

Wear:

- Self-contained breathing apparatus.
- Full protective firefighting clothing.
- Chemical-resistant gloves and boots.

Cool fire-exposed containers with water spray.

Prevent contaminated firefighting water from entering drains or waterways.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Eliminate all flames, sparks and ignition sources.
- Ensure adequate ventilation.
- Keep unnecessary personnel away.
- Avoid breathing vapour or mist.
- Avoid contact with skin and eyes.
- Wear suitable gloves, protective clothing and eye protection.
- Use non-sparking tools.
- Ground equipment used during spill recovery.
- Take precautions against static discharge.

Environmental Precautions

Prevent entry into:

- Drains
- Sewers
- Surface water
- Groundwater
- Soil



Do not allow concentrated material to enter the environment.

Containment and Cleaning

Contain the spill with inert, non-combustible absorbent material such as:

- Sand
- Vermiculite
- Diatomaceous earth
- Universal oil absorbent

Transfer the absorbed material into a suitable labelled waste container.

Ventilate the area.

Clean contaminated surfaces with detergent and water while preventing wash water from entering drains.

A dedicated SDS advises absorbing spills with earth, sand or another non-combustible material and keeping the product out of drains and waterways.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

- Handle only in a well-ventilated area.
- Keep away from heat, hot surfaces, sparks and flames.
- Do not smoke while handling.
- Avoid inhalation of concentrated vapour or aerosol.
- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection.
- Use grounded and bonded equipment during bulk transfer.
- Use non-sparking tools where appropriate.
- Prevent static electricity.
- Do not eat, drink or smoke in handling areas.
- Wash hands thoroughly after use.
- Keep the container tightly closed when not in use.
- Do not swallow or use undiluted on skin.

Storage Conditions

Store:



- In the original tightly sealed container.
- In a cool, dry and well-ventilated place.
- Away from heat and direct sunlight.
- Away from open flames and electrical ignition sources.
- Away from strong oxidising agents.
- Separately from food, beverages and animal feed.
- Out of reach of children.

Recommended Storage Temperature

Approximately 10–25 °C, unless otherwise specified by the producer.

Container Recommendation

Suitable containers include:

- Lacquered aluminium
- Stainless steel
- Compatible fluorinated polymer containers
- Amber glass for laboratory quantities

Minimise container headspace to reduce oxidation and evaporation of volatile constituents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

No specific occupational exposure limit has been established for the complete natural essential oil.

Applicable workplace exposure limits for individual volatile alcohols, aldehydes or residual constituents must be observed where relevant.

Engineering Controls

- Provide adequate general ventilation.
- Use local exhaust ventilation during bulk transfer or heating.
- Use explosion-proof ventilation equipment where flammable vapour may accumulate.
- Ensure eyewash stations and emergency washing facilities are available.

Personal Protective Equipment



Protection Type	Recommendation
Eye and face protection	Tightly fitting chemical splash goggles
Hand protection	Chemical-resistant nitrile or equivalent gloves
Skin protection	Laboratory coat, long sleeves or chemical-resistant apron
Foot protection	Antistatic safety footwear for bulk handling
Respiratory protection	Approved organic-vapour respirator where ventilation is inadequate
General hygiene	Wash hands after handling and before eating, drinking or smoking

Dedicated supplier guidance recommends sealed goggles, impervious gloves, protective clothing, chemical-resistant aprons and antistatic footwear during professional handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Physical state	Mobile liquid
Appearance	Clear to slightly hazy
Colour	Pale yellow to greenish-yellow
Odour	Powerful, dry, tart, fermented, wine-like, green, fruity and slightly fatty
Odour profile	Green apple, wine lees, fusel alcohol, herbaceous and bready nuances
Relative density at 20–25 °C	Approximately 0.860–0.890
Representative relative density	Approximately 0.867
Refractive index at 20 °C	Approximately 1.4200–1.4500
Representative refractive index	Approximately 1.4280
Flash point	Approximately 42.2 °C; batch dependent
Boiling point/range	Not determined for the complete natural mixture
Water solubility	Insoluble
Alcohol solubility	Soluble or dispersible
pH	Not applicable
Vapour pressure	Not determined
Auto-ignition temperature	Not determined
Viscosity	Low-viscosity mobile liquid



Explosive properties	Not classified as explosive; vapours may form flammable mixtures with air
Oxidising properties	Not classified as oxidising

A dedicated Green Cognac Essential Oil SDS reports a relative density of 0.867, a flash point of 42.2°C, and insolubility in water. Other commercial technical data report density around 0.870 g/mL and refractive index around 1.4280.

Batch-specific analytical results must take precedence.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No hazardous reaction is expected under normal conditions of handling and storage.

Chemical Stability

Stable when stored correctly in a tightly sealed container.

Volatile constituents may evaporate and the odour profile may change following prolonged exposure to heat, light or air.

Possibility of Hazardous Reactions

Vapours may form flammable mixtures with air.

Hazardous polymerisation is not expected.

Conditions to Avoid

- Heat
- Flames
- Sparks
- Static discharge
- Direct sunlight
- Prolonged exposure to air
- Temperatures above the verified batch flash point

Incompatible Materials

- Strong oxidising agents
- Strong acids



- Strong alkalis
- Reactive halogen compounds

Hazardous Decomposition Products

Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, aldehydes and irritating organic vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Inhalation
- Skin contact
- Eye contact
- Accidental ingestion

Acute Toxicity

Complete acute-toxicity data are not available for all Green Cognac Essential Oil grades.

Published supplier data for cognac oil report representative values greater than:

Test	Representative Result
Oral LD50, rat	>5,000 mg/kg
Dermal LD50, rabbit	>5,000 mg/kg

These values are representative and must not replace batch or producer-specific toxicological data.

Skin Corrosion/Irritation

Not classified based on available information.

Direct or prolonged contact may cause mild irritation in sensitive individuals.

Serious Eye Damage/Irritation

Direct contact may cause temporary irritation, redness or tearing.

Respiratory Sensitisation

No adequate data are available for classification.



Skin Sensitisation

No adequate data are available for classification.

Because this is a natural complex substance, sensitisation potential should be considered in the finished-product safety assessment.

Germ-Cell Mutagenicity

Insufficient data are available for classification.

Carcinogenicity

The complete natural material is not classified as carcinogenic based on currently available supplier information.

Trace naturally occurring furfural may be present and must be considered from batch-specific compositional data.

Reproductive Toxicity

Insufficient data are available for classification.

Specific Target-Organ Toxicity — Single Exposure

High vapour concentrations may cause:

- Headache
- Dizziness
- Nausea
- Respiratory discomfort

Specific Target-Organ Toxicity — Repeated Exposure

Insufficient data are available for classification.

Aspiration Hazard

No complete classification data are available for the natural mixture.

Do not induce vomiting following ingestion unless directed by qualified medical personnel.



SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The environmental effects of the complete material have not been fully investigated.

Avoid uncontrolled release into the environment.

Persistence and Degradability

Complete biodegradation data are not available for the natural mixture.

Bioaccumulative Potential

No complete data are available.

Mobility in Soil

The material is poorly soluble in water and may adsorb to soil or organic matter.

PBT and vPvB Assessment

No complete PBT or vPvB assessment is available.

Endocrine-Disrupting Properties

No complete assessment is available.

Other Adverse Effects

Prevent contamination of soil, groundwater and surface water.

Supplier safety information specifically advises against release into the environment because ecological effects have not been fully investigated.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the product through an authorised chemical-waste contractor.

- Do not discharge into drains or waterways.
- Do not dispose of with household waste.
- Avoid contamination of soil and groundwater.
- Dispose of contaminated absorbents as chemical waste.
- Empty containers may contain flammable vapours.



- Do not cut, puncture, weld or burn uncleaned containers.
- Recycle containers only after professional cleaning where permitted.
- Comply with applicable local, regional and national waste regulations.

SECTION 14: TRANSPORT INFORMATION

A dedicated Green Cognac Essential Oil SDS classifies the product for air and sea transport as UN1197, Extracts, Flavouring, Liquid, Class 3, Packing Group III. Some higher-flash-point commercial grades may be treated as non-regulated, so the actual batch flash point and carrier requirements must be checked before shipment.

Transport Information	Classification
UN Number	UN 1197
Proper Shipping Name	Extracts, Flavouring, Liquid
Transport Hazard Class	3
Packing Group	III
Environmental Hazard	Not classified based on available data
Marine Pollutant	No
IATA/ICAO	UN1197, Class 3, Packing Group III
IMDG	UN1197, Class 3, Packing Group III
ADR/RID	Confirm using actual batch flash point and current rules
DOT	May be non-regulated in non-bulk packages, subject to flash point and national requirements

Transport Qualification

Final transport classification must be confirmed using:

- Actual batch flash point
- Package size
- Shipping mode
- Carrier requirements
- Limited-quantity provisions
- Current ADR, IMDG and IATA regulations

SECTION 15: REGULATORY INFORMATION



This Safety Data Sheet has been structured with reference to:

- Regulation (EC) No. 1907/2006 – REACH
- Regulation (EC) No. 1272/2008 – CLP
- Regulation (EU) 2020/878
- United Nations Globally Harmonized System
- Regulation (EC) No. 1223/2009 on cosmetic products
- Applicable ADR, RID, IMDG and IATA transport provisions

Inventory and Commercial References

Green Cognac Oil is recognised commercially under:

- CAS 8016-21-5
- FEMA 2331
- Wine lees oil
- Lie de vin oil
- Cognac oil green

The US FDA substance database lists Green Cognac Oil under CAS 8016-21-5 and FEMA 2331 as a flavouring agent or adjuvant.

IFRA Status

Available supplier information states that Green Cognac Essential Oil is not subject to a product-specific IFRA Standard. Nevertheless, batch composition and any restricted constituents must be reviewed before use in a fragrance compound.

Cosmetic and Finished-Product Responsibility

The finished-product manufacturer is responsible for:

- Reviewing the current IFRA Standards.
- Confirming the batch composition.
- Assessing fragrance allergens.
- Evaluating any naturally occurring restricted constituents.
- Completing the cosmetic safety assessment.
- Confirming the final transport classification.
- Preparing legally compliant labelling.

SECTION 16: OTHER INFORMATION

Full Hazard Statement



- **H226:** Flammable liquid and vapour.

Document Information

Item	Details
Document Type	Material Safety Data Sheet / Safety Data Sheet
Product	Green Cognac Essential Oil
Botanical Source	<i>Vitis vinifera</i> L.
Primary CAS Number	8016-21-5
Alternative CAS Number	84929-27-1
EC Numbers	232-403-4 / 284-511-6
FEMA Number	2331
Issue Date	17 July 2026
Revision Number	01
Supersedes	New document
Intended Users	Professional, commercial and industrial users

Natural Product Variability

Green Cognac Essential Oil is a Natural Complex Substance.

Its composition, colour, odour, flash point and physical properties may vary according to:

- Grape variety
- Wine production process
- Fermentation conditions
- Composition of the wine lees
- Distillation method
- Distillation cut
- Storage conditions
- Production batch

Disclaimer

The information in this Safety Data Sheet is based on available technical documentation and current knowledge of Green Cognac Essential Oil.

Batch-specific information, including:

- GC–MS composition
- Flash point
- Relative density
- Refractive index



- Allergen profile
- Producer classification
- Transport declaration

must take precedence over representative information.

This document provides guidance for safe handling, storage, transport and professional use. It does not constitute a warranty of suitability for a specific application.

The user is responsible for determining product suitability, completing the required safety assessment and complying with all applicable laws and regulations.

This product is not intended for internal consumption and must be stored securely away from children.

Authorised by:
Fozia Khot
Director