



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	Gurjun Balsam Dark
Alternative Name	Gurjun Balsam Oil – Alpha-Gurjunene Chemotype
Botanical Source	<i>Dipterocarpus turbinatus</i> C.F.Gaertn. / <i>Dipterocarpus</i> spp.
INCI Name	Dipterocarpus Turbinatus Balsam Oil
Primary CAS Number	8030-55-5
EC Number	232-444-8
Plant Material	Oleoresin / balsamic exudate
Extraction Method	Steam distillation
Product Type	Natural essential oil / Natural Complex Substance
Chemotype	Alpha-Gurjunene Type
Recommended Use	Professional perfumery, fragrance and cosmetic formulation
Uses Advised Against	Internal consumption, vaping, smoking and undiluted skin application

Supplier Details

Aromology Trading LLC
G05 Al Ghazal Building
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Dubai, United Arab Emirates

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SECTION 2: HAZARD IDENTIFICATION

Representative GHS Classification

The following classification is precautionary and must be confirmed against the original producer's current batch-specific Safety Data Sheet:

- Skin Irritation, Category 2
- Eye Irritation, Category 2



- Skin Sensitisation, Category 1
- Aspiration Hazard, Category 1
- Hazardous to the Aquatic Environment, Chronic Category 3

Signal Word

DANGER

Hazard Statements

- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H412: Harmful to aquatic life with long-lasting effects.

Precautionary Statements

- Avoid breathing vapours, aerosols or mist.
- Avoid contact with skin and eyes.
- Wear protective gloves and eye protection.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke while using the material.
- Avoid release into drains, soil and waterways.
- If swallowed, do not induce vomiting.
- If skin irritation or rash occurs, seek medical advice.
- Store locked up and away from children.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Representative Concentration
Gurjun Balsam Oil – Gurjunene Type	8030-55-5	Approximately 100%
Alpha-Gurjunene	489-40-7	Normally at least 40%
Beta-Gurjunene	17334-55-3	Batch dependent
Gamma-Gurjunene	22567-17-5	Batch dependent
Alpha-Copaene	3856-25-5	Batch dependent
Aromadendrene	489-39-4	Batch dependent
Alloaromadendrene	25246-27-9	Batch dependent
Beta-Caryophyllene	87-44-5	Low, trace or batch dependent
Other Natural Sesquiterpenes	Various	Balance



Gurjun Balsam is a Natural Complex Substance. Exact constituent concentrations vary according to botanical species, geographic origin, resin maturity, distillation and production batch.

SECTION 4: FIRST-AID MEASURES

Inhalation

Move the affected person to fresh air and keep comfortable for breathing. Seek medical advice if coughing, dizziness, headache or respiratory discomfort persists.

Skin Contact

Remove contaminated clothing. Wash the affected area thoroughly with soap and water. Seek medical advice if irritation, redness or sensitisation develops.

Eye Contact

Rinse cautiously with clean water for at least 15 minutes. Remove contact lenses where easy to do. Continue rinsing and obtain medical advice if irritation persists.

Ingestion

Do not induce vomiting. Rinse the mouth carefully. Contact a physician or poison centre immediately because aspiration into the lungs may cause serious injury.

Most Important Symptoms

Possible symptoms include:

- Skin redness or irritation.
- Allergic skin reaction.
- Eye irritation.
- Nausea or gastrointestinal discomfort.
- Headache or dizziness after excessive vapour exposure.
- Chemical pneumonitis if aspirated into the lungs.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use:



- Alcohol-resistant foam.
- Carbon dioxide.
- Dry chemical powder.
- Water fog for cooling surrounding containers.

Unsuitable Extinguishing Media

Do not use a direct high-pressure water jet, as this may spread the burning material.

Specific Hazards

Heating or combustion may produce:

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

Protective Equipment

Firefighters should wear self-contained breathing apparatus and suitable protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions

- Ensure adequate ventilation.
- Remove ignition sources.
- Wear chemical-resistant gloves and eye protection.
- Avoid breathing vapour or mist.
- Avoid walking through spilled material.

Environmental Precautions

Prevent entry into:

- Drains.
- Sewers.
- Soil.
- Surface water.
- Groundwater.



Clean-Up Method

Absorb using sand, earth, vermiculite or another inert non-combustible absorbent. Transfer the collected material into a labelled waste container.

Wash the contaminated area using detergent and water, while preventing the wash water from entering drains.

SECTION 7: HANDLING AND STORAGE

Safe Handling

- Use only in adequately ventilated areas.
- Avoid skin and eye contact.
- Do not breathe vapour, aerosol or mist.
- Do not pipette by mouth.
- Keep away from food, beverages and animal feed.
- Wear appropriate personal protective equipment.
- Wash thoroughly after use.
- Keep containers closed when not in use.

Storage Conditions

Store:

- In the original tightly closed container.
- In a cool, dry and well-ventilated area.
- Protected from direct sunlight and heat.
- Away from sparks, flames and ignition sources.
- Away from strong oxidising agents.
- With minimal container headspace.
- Out of reach of children.

Recommended Storage Temperature

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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits



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

Engineering Controls

Provide adequate general ventilation. Use local exhaust ventilation where vapour, aerosol or heated material may be generated.

Personal Protective Equipment

Protection Type	Recommendation
Eye Protection	Chemical safety glasses or goggles
Hand Protection	Nitrile or chemical-resistant gloves
Skin Protection	Protective clothing or laboratory coat
Respiratory Protection	Normally not required with adequate ventilation; use suitable respiratory protection where ventilation is insufficient
Hygiene Measures	Wash hands and exposed skin after handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Representative Information
Physical State	Mobile to slightly viscous liquid
Colour	Amber-brown to dark brown
Odour	Deep woody, balsamic, earthy, smoky and mildly spicy
Odour Threshold	Not established
pH	Not applicable
Relative Density	Batch dependent
Refractive Index	Batch dependent
Optical Rotation	Batch dependent
Flash Point	Normally above 93 °C; verify batch data
Boiling Point	Not established for the complete natural mixture
Water Solubility	Insoluble
Alcohol Solubility	Soluble or dispersible
Vapour Pressure	Not determined
Evaporation Rate	Not determined
Auto-Ignition Temperature	Not determined
Explosive Properties	Not expected under normal conditions
Oxidising Properties	Not classified as oxidising

The dark designation refers primarily to the natural colour of the crude or minimally rectified Gurjun Balsam oil and does not itself establish a different CAS identity.



SECTION 10: STABILITY AND REACTIVITY

Reactivity

No dangerous reaction is expected under normal handling and storage conditions.

Chemical Stability

Stable when stored in a tightly closed container under recommended conditions.

Conditions to Avoid

Avoid:

- Excessive heat.
- Direct sunlight.
- Open flames.
- Sparks.
- Prolonged exposure to air.
- Unsuitable storage temperatures.

Incompatible Materials

Strong oxidising agents, strong acids and strongly reactive chemicals.

Hazardous Decomposition Products

Thermal decomposition may produce carbon monoxide, carbon dioxide, smoke and irritating organic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

- Skin contact.
- Eye contact.
- Inhalation.
- Accidental ingestion.

Acute Toxicity

Complete acute toxicity data are not available for every production batch.



Skin Effects

May cause irritation. Repeated or prolonged exposure may cause allergic contact dermatitis in susceptible persons.

Eye Effects

Direct contact may cause redness, watering, discomfort and temporary irritation.

Aspiration Hazard

The material may pose a serious aspiration hazard if swallowed and subsequently enters the respiratory tract.

Respiratory Effects

Excessive exposure to vapours or aerosols may cause respiratory irritation, headache, nausea or dizziness.

Carcinogenicity, Mutagenicity and Reproductive Toxicity

No conclusion should be made for the complete natural material without batch-specific toxicological assessment.

SECTION 12: ECOLOGICAL INFORMATION

- May be harmful to aquatic organisms with long-lasting effects.
- Avoid uncontrolled release into the environment.
- Natural hydrophobic sesquiterpenes may adsorb to soil and sediment.
- Complete biodegradation and bioaccumulation data are not available for the complete material.
- Do not discharge concentrated product into drains or waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the material and contaminated packaging through an authorised chemical-waste contractor.

Do not:

- Discharge into drains.
- Dispose into natural waterways.



- Mix with household waste.
- Reuse contaminated containers for food or beverages.

Empty containers may retain hazardous residues and should be treated accordingly.

SECTION 14: TRANSPORT INFORMATION

Transport classification depends on:

- Actual batch flash point.
- Hazardous constituent concentrations.
- Environmental classification.
- Packaging size.
- Applicable national and international transport rules.

Representative Transport Position

Transport Item	Representative Status
UN Number	Not assigned based solely on product name
Proper Shipping Name	Verify using current batch SDS
Transport Hazard Class	Batch dependent
Packing Group	Batch dependent
Marine Pollutant	Assess from batch environmental classification

Where the batch flash point is above the regulated transport threshold and no other dangerous-goods criteria apply, the material may be transported as not regulated.

The original producer's current SDS and transport declaration must prevail before shipment.

SECTION 15: REGULATORY INFORMATION

Prepared with reference to:

- United Nations Globally Harmonized System.
- Regulation (EC) No. 1907/2006 — REACH.
- Regulation (EC) No. 1272/2008 — CLP.
- Regulation (EU) 2020/878.
- Regulation (EC) No. 1223/2009 on cosmetic products.
- Applicable occupational health, environmental and transport regulations.



The finished-product manufacturer remains responsible for reviewing:

- IFRA requirements.
- EU fragrance allergens.
- Restricted constituents.
- Product concentration.
- Intended consumer exposure.
- Final cosmetic or product-safety assessment.

SECTION 16: OTHER INFORMATION

Hazard Statement Definitions

- H304: May be fatal if swallowed and enters airways.
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Document Information

Item	Details
Issue Date	17 July 2026
Revision Number	01
Document Type	Summary Material Safety Data Sheet
Intended Users	Professional and industrial users

Disclaimer

This document provides representative safety information for Gurjun Balsam Dark – Gurjunene.

Natural essential oils and balsamic distillates may vary between batches. The original producer's batch-specific SDS, analytical data, flash point and transport classification shall take precedence where available.

This material is intended for professional perfumery and fragrance formulation. It is not intended for internal consumption and must be stored away from children.

Authorised by:

Fozia Khot
Director