

SAFETY DATA SHEET (SDS)

COSTUS ROOT ESSENTIAL OIL

1. IDENTIFICATION

Product Name:	COSTUS ROOT ESSENTIAL OIL
Botanical Name:	Saussurea costus (Falc.) Lipsch.
INCI Name:	Saussurea Costus Root Oil
CAS #:	8023-88-9 / 90106-55-1
EC #:	290-278-1
Plant Part:	Roots
Country of Origin:	Tibet
Extraction Method:	Steam distillation
Batch Number:	CR-2026-01
Recommended Use:	Cosmetic ingredient, perfumery and aromatherapy. Use according to legal requirements, IFRA restrictions and good manufacturing practice.
Company Name:	GABRIELLA OILS
Website:	www.gabriellaoils.com
Email:	info@gabriellaoils.com
Emergency Contact:	Contact supplier. For medical emergencies, contact local emergency services or a poison information centre.
Document ID:	GO-SDS-0010 Version 1.0 Issue Date: 02 July 2026

2. HAZARD(S) IDENTIFICATION

Physical Hazards:	Not classified based on available information.
Health Hazards:	May cause mild skin irritation. May cause eye irritation. May cause an allergic skin reaction in sensitive individuals.
Environmental Hazards:	Not fully determined. Avoid release to drains, soil and watercourses.
Classification note:	The hazard classification in this drSafety Data Sheet has been prepared using the Certificate of Analysis, available supplier information, published literature for costus root essential oil and accepted classification principles under UK REACH/retained CLP. The classification should be reviewed and updated if a manufacturer-issued Safety Data Sheet or additional test data become available.
Label elements:	No GHS pictogram assigned.
Potential Hazard:	May cause mild skin irritation. May cause eye irritation. May cause an allergic skin reaction in sensitive individuals. Avoid release to the environment.
Prevention:	Avoid breathing vapour or mist. Avoid contact with skin and eyes. Wear protective gloves/eye protection where prolonged or repeated handling is possible. Wash thoroughly after handling. Avoid release to the environment.
Response:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing. If irritation persists, seek medical advice.
Storage:	Store in a cool, dry, well-ventilated place. Keep container tightly closed and protect from heat, direct sunlight and ignition sources.
Disposal:	Dispose of contents/container in accordance with local, regional, national and international regulations.
Hazard(s) not otherwise classified (HNOC):	None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name / INCI Name	CAS Number	EC Number	%
Saussurea Costus Root Oil / Costus Root Essential Oil	8023-88-9 / 90106-55-1	290-278-1	100

4. FIRST-AID MEASURES

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if symptoms develop or persist.
Skin Contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation, redness or rash develops or persists.
Eye Contact:	Remove contact lenses, if present and easy to do. Rinse cautiously with plenty of water while lifting the eyelids. Get medical attention if irritation persists.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Seek medical advice immediately if a significant quantity has been swallowed or if symptoms occur.

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Most important symptoms/effects, acute and delayed:	May cause temporary eye irritation, mild skin irritation, or allergic skin reaction in sensitive individuals.
Indication of immediate medical attention and special treatment needed:	Treat symptomatically.
General information:	Ensure that medical personnel are aware of the material involved. Show this safety data sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, CO2, dry chemical powder, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	Do not use a solid water stream as it may spread fire.
Protective Equipment:	Firefighters should wear self-contained breathing apparatus and full protective gear.
Specific hazards arising from the chemical:	Thermal decomposition or combustion may produce carbon oxides and irritating fumes.
Special protective equipment and precautions for firefighters:	Use standard firefighting procedures and consider the hazards of other involved materials. Cool unopened containers with water spray if safe to do so.
General fire hazards:	Combustible organic material. Avoid excessive heat, sparks, open flames and other ignition sources.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away. Avoid contact with skin and eyes. Avoid breathing vapour or mist. Ensure adequate ventilation. Wear suitable protective clothing, gloves and eye protection.
Methods and materials for containment and cleaning up:	Stop the flow of material if this is without risk. Absorb with inert absorbent such as dry clay, sand, diatomaceous earth or commercial sorbent. Place in a suitable labelled container for disposal.
Small Spills:	Wipe up with absorbent material. Clean the surface thoroughly to remove residual contamination.
Large Spills:	Dike the spilled material where possible. Prevent product from entering drains, waterways or soil. Collect absorbed material for disposal according to Section 13.
Environmental precautions:	Avoid release to the environment. Contact local authorities in case of significant spillage to drains or aquatic environment.

7. HANDLING AND STORAGE

Precautions for safe handling:	Use only in well-ventilated areas. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Follow IFRA guidance for the intended finished product where applicable.
Conditions for safe storage, including any incompatibilities:	Store in a tightly closed container in a cool, dry place, protected from sunlight. Keep away from heat, ignition sources and incompatible materials. Open containers carefully and reseal after use.
Shelf life / quality review:	Quality should be reviewed after 36 months from the date of opening or receipt, according to the Certificate of Analysis.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:	No product-specific occupational exposure limits noted.
Biological limit values:	No biological exposure limits noted.
Appropriate engineering controls:	Good general ventilation should be sufficient under normal handling conditions. Provide local exhaust ventilation if vapour or mist is generated.
Eye/face protection:	Wear safety glasses with side shields or goggles where splashing is possible.
Skin protection - Hand protection:	Wear suitable chemical-resistant gloves for prolonged or repeated handling.
Skin protection - Other:	Wear suitable protective clothing to prevent repeated or prolonged skin contact.
Respiratory protection:	Respiratory protection is normally not required. If ventilation is insufficient, use suitable respiratory protection.
Thermal hazards:	Wear appropriate thermal protective clothing when necessary.
General hygiene considerations:	Always observe good personal hygiene measures, such as washing after handling and before eating, drinking or smoking. Launder contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to brownish yellow, slightly viscous liquid
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Odour:	Tenacious, animalic odour reminiscent of old precious wood
pH:	Not applicable / not available.
Melting point/freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not applicable.
Vapour pressure:	Not available.
Refractive Index:	Specification 1.490 - 1.570 at 20/25 degrees C; measured 1.512.
Relative density:	Specific gravity specification 0.966 - 1.035 g/mL at 20/25 degrees C; measured 0.997.
Solubility:	Soluble in alcohols and fixed oils; insoluble in water.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Liquid; natural variation in colour, clarity and viscosity may occur between batches.

10. STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid excessive heat, sparks, open flames, direct sunlight and incompatible materials.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition products if stored and handled as indicated. Combustion may produce carbon oxides and irritating fumes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure - Inhalation:	Not expected to present a significant inhalation hazard under normal conditions of use. Avoid breathing vapour or mist.
Skin contact:	May cause mild irritation or allergic skin reaction in sensitive individuals.
Eye contact:	Direct contact may cause temporary irritation.
Ingestion:	Expected to be a low ingestion hazard in small incidental quantities. Not intended for ingestion.
Symptoms related to the physical, chemical and toxicological characteristics:	Temporary skin or eye irritation may occur. Sensitisation is possible in susceptible individuals.
Acute toxicity:	No product-specific toxicological data are available. Assessment is based on available information for botanical essential oils.
Skin corrosion/irritation:	Not fully classified. Mild irritation is possible based on available information.
Serious eye damage/eye irritation:	Not fully classified. Mild irritation is possible based on available information.
Respiratory sensitization:	Not classified based on available information.
Skin sensitization:	Essential oils contain naturally occurring fragrance constituents. Skin sensitisation should be considered possible until a manufacturer SDS confirms classification.
Germ cell mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.
Reproductive toxicity:	Not classified based on available information.
Specific target organ toxicity - single exposure:	Not classified based on available information.
Specific target organ toxicity - repeated exposure:	Not classified based on available information.
Aspiration hazard:	Not classified based on available information.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	The product is not fully classified for environmental hazards. Large or frequent releases may have harmful effects on the environment.
Persistence and degradability:	No product-specific data available.
Bioaccumulative potential:	No data available.

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Mobility in soil:	No data available. Product is insoluble in water and may spread on the water surface.
Other adverse effects:	No other adverse environmental effects are expected from this component based on available information.

13. DISPOSAL CONSIDERATIONS

Disposal instructions:	Do not discharge into drains, water courses or onto the ground. Dispose of contents/container in accordance with local, regional, national and international regulations.
Local disposal regulations:	Dispose in accordance with all applicable regulations.
Hazardous waste code:	Not established.
Waste from residues / unused products:	Empty containers or liners may retain product residues. Dispose of in a safe manner.
Contaminated packaging:	Follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Transport Rule	Hazard class	Packing group	UN number
Land RID/ADR	Not Regulated	Not Regulated	Not Regulated
Maritime IMDG	Not Regulated	Not Regulated	Not Regulated
Air IATA/GR	Not Regulated	Not Regulated	Not Regulated

15. REGULATORY INFORMATION

UK/EU regulatory information:	Prepared in accordance with UK REACH and retained CLP Regulation (EC) No 1272/2008 terminology using the Certificate of Analysis, available supplier information and conservative classification principles for naturally derived botanical essential oils.
Chemical safety assessment:	No chemical safety assessment has been carried out by Gabriella Oils for this product.
Cosmetic use:	Use in cosmetic products should comply with applicable cosmetic regulations, fragrance allergen labelling requirements and any relevant IFRA guidance for the intended application.
Transport classification:	Not regulated as dangerous goods based on available information.

16. OTHER INFORMATION

Data sources:	This Safety Data Sheet has been prepared using available supplier specifications, Certificate of Analysis values, published technical literature, ingredient databases, and accepted guidance for naturally derived botanical essential oils. Where product-specific toxicological or ecotoxicological data were not available, classifications have been derived using available evidence and a conservative assessment approach. This document should be reviewed if new manufacturer data become available.
Revision history:	Version 1.0 02 July 2026 Initial SDS.
Disclaimer:	Gabriella Oils cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation and disposal. It should not be considered as a guarantee or quality specification. It is the sole responsibility of the individual(s) purchasing this product to assess its safety in the final application. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.