



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

Product Name: Elemi Heart Essential Oil

Alternative Names: Elemi Heart Fraction, Elemi Heart Oil

Botanical Name: *Canarium luzonicum* (Blume) A.Gray

INCI Name: Canarium Luzonicum Gum Oil

CAS Number: 8023-89-0

EC Number: 232-557-2

FEMA Number: 2408

Product Type: Natural Essential Oil (Heart Fraction)

Plant Part: Gum Resin

Extraction Method: Fractional Steam Distillation (Heart Fraction)

Origin: Philippines

Grade: Premium Perfumery Grade

Recommended Use: Professional perfumery, cosmetic and fragrance raw material.

Supplier

Aromology Trading LLC

G05 Al Ghazal Building

Nadd Al Hamar

Dubai, United Arab Emirates

Website: www.aromology.com

Email: info@aromology.com

Telephone: +971 505197601

SECTION 2 – HAZARD IDENTIFICATION

GHS Classification

- Flammable Liquid – Category 3
- Aspiration Hazard – Category 1
- Skin Irritation – Category 2
- Skin Sensitisation – Category 1
- Hazardous to the Aquatic Environment (Chronic) – Category 1

Signal Word

Danger



Hazard Statements

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

- P210 Keep away from heat, sparks and open flames.
- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE or physician.
- P331 Do not induce vomiting.
- P302+P352 IF ON SKIN: Wash thoroughly with soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical advice.
- P391 Collect spillage.
- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Component	Information
Product	Elemi Heart Essential Oil
Botanical Name	<i>Canarium luzonicum</i>
INCI Name	Canarium Luzonicum Gum Oil
CAS Number	8023-89-0 / 9000-75-3
EC Number	232-557-2
Purity	100% Natural Essential Oil (Heart Fraction)

Typical Naturally Occurring Constituents

- Elemol
- Elemicin
- α -Terpineol
- Limonene
- Sabinene
- α -Phellandrene
- β -Phellandrene
- Terpinolene



- β -Pinene
- α -Pinene

SECTION 4 – FIRST AID MEASURES

Inhalation: Move exposed person to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Remove contaminated clothing. Wash thoroughly with soap and water.

Eye Contact: Flush immediately with water for at least 15 minutes. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth and obtain immediate medical attention due to aspiration hazard.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media

- Carbon dioxide
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and irritating organic vapours.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate protective equipment.

Prevent release into drains and waterways.

Absorb using inert absorbent material and transfer into approved waste containers.



SECTION 7 – HANDLING AND STORAGE

Use only in well-ventilated areas.

Avoid contact with skin and eyes.

Store tightly closed in original containers.

Protect from heat, direct sunlight and oxidising agents.

Recommended Storage Temperature: 5–20 °C

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- Chemical safety goggles
 - Nitrile gloves
 - Protective clothing
 - Local exhaust ventilation
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear mobile liquid
Colour	Colourless to Pale Yellow
Odour	Smooth fresh citrus, resinous, balsamic, incense-like, woody with reduced terpene harshness
Relative Density (20 °C)	0.860–0.915
Refractive Index (20 °C)	1.472–1.490
Optical Rotation	+40° to +80°
Flash Point	Approximately 48–52 °C
Solubility in Water	Insoluble
Solubility	Soluble in ethanol and fixed oils

SECTION 10 – STABILITY AND REACTIVITY

Stable under recommended storage conditions.

Avoid:



- Strong oxidising agents
- Heat and ignition sources
- Direct sunlight
- Prolonged exposure to air

Hazardous decomposition products include carbon monoxide and carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause allergic skin reactions.

Contains naturally occurring monoterpenes and oxygenated terpenes that may oxidise during prolonged storage.

SECTION 12 – ECOLOGICAL INFORMATION

Very toxic to aquatic life with long lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of contents and packaging through an authorised waste disposal contractor in accordance with applicable local regulations.

SECTION 14 – TRANSPORT INFORMATION

Regulation	Status
UN Number	UN1169
Proper Shipping Name	Extracts, Aromatic, Liquid
ADR/RID	Class 3
IMDG	Class 3



IATA	Class 3
Packing Group	III

SECTION 15 – REGULATORY INFORMATION

Prepared in accordance with:

- GHS Revision 9
 - OSHA Hazard Communication Standard (29 CFR 1910.1200)
 - Regulation (EC) No. 1907/2006 (REACH)
 - Regulation (EU) 2020/878
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SECTION 16 – OTHER INFORMATION

Elemi Heart Essential Oil is obtained by fractional steam distillation of the oleoresin of *Canarium luzonicum*, isolating the heart fraction to provide a smoother, cleaner and more refined olfactory profile than conventional Elemi Essential Oil. It retains the characteristic fresh citrus, balsamic and incense facets while reducing the sharper terpene top notes. It is widely used in luxury perfumery to enhance citrus, incense, woody, amber and modern fresh compositions, offering excellent diffusion, elegance and stability. The heart fraction is particularly valued where a refined resinous character is desired.

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