



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: Premium Sandalwood Oil CO₂

Botanical Name: *Santalum album* L.

INCI Name: *Santalum Album* (Sandalwood) Oil

CAS Number: 8006-87-9

EC Number: 616-898-8 / 284-111-1

Origin: Indonesia

Extraction Method: Supercritical CO₂ Extraction

Product Type: Natural Essential Oil (CO₂ Extract)

Recommended Use: Professional perfumery ingredient and cosmetic raw material only. The Aromology product is obtained by supercritical CO₂ extraction from *Santalum album* wood.

Supplier

Aromology Trading LLC

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SECTION 2: Hazard Identification

GHS Classification

- Skin Sensitisation – Category 1

Signal Word

Warning

Hazard Statements

- H317 May cause an allergic skin reaction.

Precautionary Statements

- Avoid breathing vapours.
- Wear protective gloves and eye protection.



- Wash thoroughly after handling.
- Contaminated clothing should be washed before reuse.
- Avoid release into the environment.
- Keep out of reach of children.

SECTION 3: Composition / Information on Ingredients

Component	CAS No.	Concentration
Premium Sandalwood Oil CO ₂ (<i>Santalum album</i>)	8006-87-9	100%

Natural extract rich in **α -santalol**, **β -santalol**, bergamotol and other naturally occurring sesquiterpene alcohols. Typical CO₂ extracts contain >90% total santalols.

SECTION 4: First Aid Measures

Inhalation

Move the affected person to fresh air.

Obtain medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical attention if allergic reaction develops.

Eye Contact

Immediately flush eyes with clean water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Rinse mouth.

Do **not** induce vomiting.

Seek immediate medical advice.

SECTION 5: Fire Fighting Measures

Suitable Extinguishing Media

- Carbon dioxide (CO₂)
- Dry chemical powder
- Alcohol-resistant foam
- Water spray for cooling containers

Unsuitable Extinguishing Media

Direct water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental Release Measures

- Wear appropriate PPE.
 - Prevent release into drains and waterways.
 - Absorb with sand, vermiculite or inert absorbent.
 - Transfer to suitable disposal containers.
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SECTION 7: Handling and Storage

Handling

- Avoid contact with skin and eyes.
- Avoid inhalation of concentrated vapours.
- Ensure adequate ventilation.
- Follow good industrial hygiene practices.

Storage

Store:



- in tightly closed original containers
- below 25°C
- protected from direct sunlight
- in a cool, dry, well-ventilated area
- away from oxidising agents

SECTION 8: Exposure Controls / Personal Protection

Engineering Controls

Provide adequate local exhaust ventilation.

Personal Protective Equipment

Eye Protection

Chemical safety goggles.

Hand Protection

Nitrile gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

Skin Protection

Protective clothing during bulk handling.

SECTION 9: Physical and Chemical Properties

Property	Typical Value
Appearance	Clear pale yellow to golden brown liquid
Odour	Rich, creamy, woody, sweet sandalwood with soft balsamic notes
Physical State	Liquid
Relative Density (25°C)	0.965–0.985
Refractive Index (25°C)	1.5000–1.5100
Optical Rotation	–20° to –15°
Flash Point	>100°C
Solubility	Insoluble in water
Solubility in Alcohol	Soluble



These values are consistent with published specifications for Sandalwood CO₂ extracts.

SECTION 10: Stability and Reactivity

Stable under normal storage conditions.

Avoid:

- Excessive heat
- Open flames
- Strong oxidising agents

Hazardous decomposition products:

- Carbon monoxide
 - Carbon dioxide
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SECTION 11: Toxicological Information

Potential effects include:

- Skin sensitisation in susceptible individuals
- Mild eye irritation
- Mild skin irritation following prolonged exposure

No evidence of carcinogenicity, mutagenicity or reproductive toxicity under normal professional use.

SECTION 12: Ecological Information

Avoid uncontrolled environmental release.

Prevent contamination of waterways and soil.

No significant environmental hazards are expected when handled according to good industrial practice.

SECTION 13: Disposal Considerations



Dispose of product and contaminated packaging through an authorised waste disposal contractor.

Do not discharge into drains or surface waters.

SECTION 14: Transport Information

Item	Information
UN Number	Not regulated
Proper Shipping Name	Not applicable
Transport Hazard Class	Not regulated
Packing Group	Not applicable
Marine Pollutant	No

Transport in accordance with applicable ADR, IMDG and IATA regulations.

SECTION 15: Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
- REACH Regulation (EC) No. 1907/2006
- CLP Regulation (EC) No. 1272/2008
- OSHA Hazard Communication Standard

For professional fragrance and cosmetic use only.

SECTION 16: Other Information

This Safety Data Sheet has been prepared using published safety and technical information for Santalum album CO₂ Extract and product information relating to Aromology's Premium Sandalwood Oil CO₂. Supercritical CO₂ extraction preserves a high concentration of natural santalols, producing a rich sandalwood profile with excellent purity and stability for fine fragrance applications.

Authorised by

Fozia Khot

Director

Aromology Trading LLC