



SAFETY DATA SHEET (SDS)

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

Co-distilled Grapefruit & Cedarwood

SECTION 1: IDENTIFICATION

Product Name: Co-distilled Grapefruit & Cedarwood

Chemical Description: Mixture of Aromatic Substances

CAS Number: Mixture

EC / EINECS Number: Mixture

Product Type: Perfumery Raw Material / Aromatic Mixture

Recommended Use: Raw Material for the Manufacture of Fragrances

Supplier

Aromology Trading LLC

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Hazard Class	Classification
Skin Irritation	Category 2 - H315
Skin Sensitisation	Category 1 - H317
Aspiration Hazard	Category 1 - H304
Hazardous to Aquatic Environment - Acute	Category 1 - H400
Hazardous to Aquatic Environment - Chronic	Category 1 - H410

These are the classifications assigned to the complete mixture in the supplied SDS.

2.2 GHS LABEL ELEMENTS

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.
H410 – Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310+P331 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
P302+P352+P333+P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

SUBSTANCES RESPONSIBLE FOR HEALTH HAZARDS

Alpha-Pinene
D-Limonene
Beta-Phellandrene

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Not Applicable – Product is a Mixture.

3.2 Mixture

Chemical Description: Mixture of Aromatic Substances

Chemical Name	Concentration (% w/w)	CAS Number	EC Number
D-Limonene	≥25 – <50%	5989-27-5	227-813-5
Alpha-Cedrene	≥10 – <25%	469-61-4	207-418-4
Cedrol	≥10 – <25%	77-53-2	201-035-6
Thujopsene	≥10 – <25%	470-40-6	207-426-8
Beta-Cedrene	≥1 – <10%	546-28-1	208-898-8
Alpha-Pinene	≥0.1 – <1%	80-56-8	201-291-9
Beta-Phellandrene	≥0.1 – <1%	555-10-2	209-081-9

These are the hazardous constituents and concentration ranges disclosed in Section 3 of the supplied SDS.

Note: This table represents constituents required to be disclosed for hazard communication and should not be interpreted as disclosure of the complete formulation.



SECTION 4: FIRST-AID MEASURES

Exposure Route	First-Aid Measures
Ingestion	Rinse mouth with water. Obtain medical advice. Keep at rest. Do not induce vomiting.
Eye Contact	Rinse immediately with plenty of water for at least 15 minutes and seek medical advice.
Inhalation	Remove person to fresh air and keep at rest. Seek immediate medical advice.
Skin Contact	Immediately remove contaminated clothing. Thoroughly wash affected skin with soap and water. Seek medical attention if symptoms persist.

Most Important Symptoms and Effects

No information available.

Immediate Medical Attention / Special Treatment

No information available.

SECTION 5: FIRE-FIGHTING MEASURES

Parameter	Information
Suitable Extinguishing Media	Water spray, carbon dioxide, dry chemical powder or appropriate foam
Unsuitable Extinguishing Media	Full water jet
Special Hazards	Emits toxic fumes under fire conditions
Protective Equipment	Self-contained breathing apparatus and protective clothing

High temperatures may cause increased pressure inside closed containers.
Avoid inhalation of vapours generated during fire.
Do not allow contaminated firefighting water to enter drains or watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions

Evacuate surrounding areas.
Ensure adequate ventilation.
Keep unnecessary and unprotected personnel away.
Avoid breathing vapour or spray.
Avoid contact with skin and eyes.
Wear appropriate personal protective equipment.

6.2 Environmental Precautions



Do not discharge into:

- Drains
- Surface waters
- Groundwater

6.3 Methods for Containment and Cleaning

Cover spilled material with an inert, inorganic, non-combustible absorbent such as:

- Dry lime
- Sand
- Soda ash

Place absorbed material into covered containers using non-sparking tools.

Remove ignition sources.

Ventilate the area and wash the spill site after material collection is complete.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Avoid contact with eyes, skin and clothing.

Do not store or handle near food or drinking water.

Do not smoke while handling.

Wear suitable protective clothing and eye protection.

Observe good occupational safety and hygiene practices.

Keep in the original container or a compatible alternative container.

7.2 Conditions for Safe Storage

Store in:

- Tightly closed containers
- Preferably full containers
- A cool and dry location
- A well-ventilated area
- Protected from light

Keep away from hot surfaces, sparks, flames, static discharge and other sources of ignition.

Keep away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational Exposure Parameters



Substance	CAS Number	Reference	8-Hour Limit
D-Limonene	5989-27-5	Germany AGW	5 ppm / 28 mg/m ³
D-Limonene	5989-27-5	Spain VLA-ED	30 ppm / 168 mg/m ³
Alpha-Pinene	80-56-8	Spain VLA-ED	20 ppm / 113 mg/m ³

8.2 Personal Protective Equipment

Protection	Recommendation
Eye / Face Protection	Chemical safety goggles
Hand Protection	Chemical-resistant gloves
Body Protection	Appropriate protective clothing selected according to task and risk
Respiratory Protection	Suitable respiratory equipment where ventilation is insufficient
Ventilation	Adequate ventilation; mechanical exhaust where required

Emissions from ventilation or processing equipment should be controlled in accordance with applicable environmental legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Colour	Conforms to Standard
Odour	Conforms to Standard
Odour Threshold	Not Determined
pH	Not Determined
Melting / Freezing Point	Not Determined
Boiling Point / Range	Not Determined
Flash Point	110 °C
Evaporation Rate	Not Determined
Flammability	Not Determined
Lower Explosive Limit	Not Determined
Upper Explosive Limit	Not Determined
Vapour Pressure	Not Determined
Vapour Density	Not Determined
Density @ 20 °C	0.925–0.945 g/mL
Relative Density @ 20 °C	0.925–0.945
Water Solubility	Insoluble in Water
Solubility in Ethanol	Soluble
Partition Coefficient	Not Determined
Auto-Ignition Temperature	Not Determined



Property	Value
Decomposition Temperature	Not Determined
Dynamic Viscosity	Not Determined
Kinematic Viscosity	Not Determined
Explosive Properties	Not Determined
Oxidising Properties	None Expected

The physical-property table on page 4 of the source SDS gives a density range of 0.925–0.945 g/mL at 20°C, flash point of 110°C, insolubility in water and solubility in ethanol.

SECTION 10: STABILITY AND REACTIVITY

Parameter	Information
Reactivity	No hazardous reactions when stored and handled as prescribed
Chemical Stability	Stable under recommended storage and handling conditions
Possibility of Hazardous Reactions	No hazardous reactions expected under prescribed conditions
Conditions to Avoid	Excessive heat, flame and other ignition sources
Incompatible Materials	Strong acids, strong bases and oxidising agents
Hazardous Decomposition Products	Carbon monoxide and unidentified organic compounds may form during combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Endpoint	Assessment
Acute Toxicity	Criteria for classification not met
Skin Corrosion / Irritation	Causes skin irritation
Serious Eye Damage / Irritation	Criteria for classification not met
Respiratory / Skin Sensitisation	May cause an allergic skin reaction
Germ Cell Mutagenicity	Criteria for classification not met
Carcinogenicity	Criteria for classification not met
Reproductive Toxicity	Criteria for classification not met
STOT – Single Exposure	Criteria for classification not met
STOT – Repeated Exposure	Criteria for classification not met
Aspiration Hazard	May be fatal if swallowed and enters airways



SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulative Potential

No information available.

12.4 Mobility in Soil

No information available.

12.5 Other Adverse Effects

Do not allow the material to enter wastewater or waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of the product and contaminated materials in accordance with applicable national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

Transport Information	ADR/RID/ADN	IMDG	IATA/ICAO
UN Number	UN3082	UN3082	UN3082
Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Mixture of Aromatic Substances)	Same	Same
Transport Hazard Class	9	9	9
Packing Group	III	III	III
Environmental Hazard	Yes	Yes	Yes

Special Precautions for User: None known.

Maritime Transport in Bulk: No information available.

The source SDS classifies the material as UN3082, Class 9, Packing Group III across ADR/RID/ADN, IMDG and IATA/ICAO.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations



No additional substance- or mixture-specific regulatory information is provided in the supplied SDS.

The product should be handled and used in accordance with applicable chemical, workplace, environmental and cosmetic legislation in the country of use.

SECTION 16: OTHER INFORMATION

FULL HAZARD STATEMENTS

H226 – Flammable liquid and vapour.
H302 – Harmful if swallowed.
H304 – May be fatal if swallowed and enters airways.
H315 – Causes skin irritation.
H316 – Causes mild skin irritation.
H317 – May cause an allergic skin reaction.
H400 – Very toxic to aquatic life.
H401 – Toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.
H412 – Harmful to aquatic life with long lasting effects.

DISCLAIMER

The information contained in this Safety Data Sheet describes the safety requirements and characteristics of Co-distilled Grapefruit & Cedarwood based on the available product-specific information.

The information is provided for guidance concerning safe handling, storage, transportation and use and does not constitute a warranty of specific product properties.

Users are responsible for determining the suitability of the material for their intended application and ensuring compliance with applicable local regulations.

Authorised by:

Fozia Khot
Director