



SAFETY DATA SHEET (SDS)

In accordance with the Globally Harmonized System (GHS)

SECTION 1. Identification

1.1 Product Identifier

Product Name: Zanthoxylum Essential Oil

Botanical Name: *Zanthoxylum armatum* DC.

INCI Name: Zanthoxylum Armatum Fruit Oil

CAS Number: 91770-91-9

EC Number: 294-793-5

Product Type: Essential Oil

1.2 Relevant Identified Uses

Raw material for:

- Fine Fragrance
 - Cosmetics
 - Personal Care Products
 - Soap & Detergent Fragrances
 - Household Fragrance Products
 - Candles
 - Home Fragrance
-

1.3 Supplier

Aromology Trading LLC

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SECTION 2. Hazard Identification

GHS Classification

Flammable Liquid Category 3

Skin Irritation Category 2

Skin Sensitisation Category 1

Eye Irritation Category 2

Aspiration Hazard Category 1

Aquatic Chronic Category 2

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.

H319 – Causes serious eye irritation.



H411 – Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat, hot surfaces, 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 with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P391 Collect spillage.

P501 Dispose of contents/container according to local regulations.

SECTION 3. Composition / Information on Ingredients

Component	Information
Chemical Name	Zanthoxylum Essential Oil
Botanical Source	<i>Zanthoxylum armatum</i>
CAS Number	91770-91-9
EC Number	294-793-5
Purity	100% Essential Oil

SECTION 4. First Aid Measures

Inhalation

Move exposed person to fresh air.

Seek medical attention if symptoms occur.



Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical advice if irritation develops.

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek medical advice if irritation persists.

Ingestion

Rinse mouth.

Do not induce vomiting.

Seek immediate medical attention.

SECTION 5. Fire Fighting Measures

Suitable Extinguishing Media

- Dry Chemical Powder
- Carbon Dioxide
- Alcohol Resistant Foam
- Water Spray

Unsuitable Media

High pressure water jet.

Hazardous Combustion Products

Carbon monoxide

Carbon dioxide

Irritating organic fumes



Protective Equipment

Self-contained breathing apparatus.

SECTION 6. Accidental Release Measures

Avoid contact with skin and eyes.

Remove all ignition sources.

Prevent entry into drains.

Absorb using inert absorbent.

Collect into suitable containers.

Dispose according to regulations.

SECTION 7. Handling and Storage

Handling

Avoid prolonged exposure.

Use adequate ventilation.

Avoid breathing vapours.

Observe good industrial hygiene.

Storage

Store below 25°C.

Protect from sunlight.

Keep tightly closed.

Store away from oxidising agents and sources of ignition.



SECTION 8. Exposure Controls / Personal Protection

Engineering Controls

General ventilation.

Eye Protection

Safety goggles.

Hand Protection

Chemical resistant gloves.

Respiratory Protection

Organic vapour respirator where ventilation is insufficient.

Body Protection

Protective clothing.

SECTION 9. Physical and Chemical Properties

Property	Value
Appearance	Clear mobile liquid
Colour	Colourless to pale yellow
Odour	Fresh, spicy, citrus, woody, peppery
Physical State	Liquid
Specific Gravity	0.860–0.920
Refractive Index	1.465–1.490
Flash Point	Approximately 58 °C
Water Solubility	Insoluble
Solubility	Soluble in ethanol

SECTION 10. Stability and Reactivity

Stable under recommended storage.

Avoid



- Heat
- Strong oxidising agents
- Open flames

Hazardous Decomposition

Carbon monoxide

Carbon dioxide

SECTION 11. Toxicological Information

Likely routes

- Skin
- Eyes
- Inhalation

Effects

May cause skin irritation.

May cause allergic skin reaction.

May cause eye irritation.

Aspiration hazard if swallowed.

No evidence of

- Carcinogenicity
- Mutagenicity
- Reproductive toxicity
- STOT

SECTION 12. Ecological Information

Toxic to aquatic organisms with long lasting effects.

Avoid environmental release.



Dispose responsibly.

SECTION 13. Disposal Considerations

Dispose through an approved waste contractor in accordance with local regulations.

SECTION 14. Transport Information

Item	Information
UN Number	UN1169
Proper Shipping Name	Extracts, Aromatic, Liquid
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

SECTION 15. Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
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SECTION 16. Other Information

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Disclaimer

This Safety Data Sheet has been prepared using available supplier information and published technical data for Zanthoxylum Essential Oil (CAS No. 91770-91-9). It is intended to provide guidance for the safe handling, storage, transportation and disposal of the material. It does not constitute a product specification or warranty. Users are responsible for ensuring compliance with applicable regulations and determining the suitability of the material for their intended use.