



SAFETY DATA SHEET (SDS)

Product Name: Alpha Pinene Natural

Chemical Name: Alpha-Pinene (Natural)

Synonyms: α -Pinene, Natural Alpha Pinene

CAS Number: 80-56-8

EC Number: 201-291-9

FEMA Number: 2902

Molecular Formula: C₁₀ H₁₆

Molecular Weight: 136.24 g/mol

Product Type: Natural Aroma Chemical

Source: Naturally isolated from pine, rosemary, eucalyptus and other essential oils.

Recommended Use: Fragrance ingredient for perfumery, cosmetic and personal care applications.

Supplier: Aromology Trading LLC

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SECTION 1: IDENTIFICATION

Product Identifier: Alpha Pinene Natural

Chemical Name: Alpha-Pinene

CAS Number: 80-56-8

Recommended Use: Perfumery, cosmetics, fragrance manufacture and laboratory use.

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Flammable Liquid	Category 3
Aspiration Hazard	Category 1
Skin Irritation	Category 2
Skin Sensitisation	Category 1
Aquatic Chronic Toxicity	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.

H411 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 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	CAS Number	Concentration
Alpha-Pinene (Natural)	80-56-8	≥95%

SECTION 4: FIRST AID MEASURES



Inhalation

Move the affected person to fresh air.

Seek medical attention if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Eye Contact

Flush immediately with water for at least 15 minutes.

Seek medical attention if irritation persists.

Ingestion

Do **not** induce vomiting.

Immediately seek medical attention.

Symptoms

Skin irritation.

Possible allergic skin reaction.

Aspiration hazard.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media



Direct water jet.

Hazardous Combustion Products

Carbon monoxide.

Carbon dioxide.

Irritating organic vapours.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources.

Ensure adequate ventilation.

Prevent release into drains and waterways.

Absorb with inert absorbent material.

Dispose according to local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

Avoid breathing vapours.

Avoid skin and eye contact.

Use only with adequate ventilation.

Observe good industrial hygiene practices.

Storage

Store below 25°C.

Keep container tightly closed.

Protect from direct sunlight.



Store away from oxidising agents.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

No established occupational exposure limits.

Engineering Controls

General mechanical ventilation.

Eye Protection

Chemical safety goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

Organic vapour respirator where ventilation is inadequate.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Specification
Appearance	Clear colourless liquid
Odour	Fresh, pine, resinous, woody, terpene
Boiling Point	155–156 °C
Flash Point	Approximately 33 °C
Relative Density @20 °C	0.855–0.865
Refractive Index @20 °C	1.4620–1.4680
Optical Rotation	-55 ° to +50 ° (depending on natural source)
Solubility	Insoluble in water; soluble in ethanol and organic solvents

SECTION 10: STABILITY AND REACTIVITY

**Reactivity**

Stable under recommended storage conditions.

Chemical Stability

Stable under normal conditions.

Conditions to Avoid

Heat.

Open flames.

Oxidising agents.

Air exposure.

Hazardous Decomposition Products

Carbon monoxide.

Carbon dioxide.

Organic decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION**Likely Routes of Exposure**

- Skin
- Eyes
- Inhalation
- Ingestion

Effects

Causes skin irritation.

May cause allergic skin reaction.

May be fatal if swallowed and enters airways.



SECTION 12: ECOLOGICAL INFORMATION

Toxic to aquatic organisms with long-lasting effects.

Avoid uncontrolled release into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and containers according to applicable local and national regulations.

Do not discharge into drains or waterways.

SECTION 14: TRANSPORT INFORMATION

Parameter	Information
UN Number	UN 2368
Proper Shipping Name	Alpha-Pinene
Hazard Class	3
Packing Group	III
Marine Pollutant	Yes

SECTION 15: REGULATORY INFORMATION

Prepared in accordance with:

- UN GHS (Latest Edition)
 - Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
 - IFRA Standards (51st Amendment)
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SECTION 16: OTHER INFORMATION



This Safety Data Sheet provides guidance for the safe handling, storage and use of Alpha Pinene Natural in perfumery, cosmetic and personal care applications.

Alpha Pinene Natural is a naturally occurring monoterpene widely found in conifer resins, rosemary, eucalyptus and numerous essential oils. It imparts a characteristic fresh, pine, resinous, woody and terpene note and is widely used in citrus, fougère, woody and aromatic fragrance compositions.

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