

**ALPHA TERPINENE**Revision date: 05-10-2020  
Version: 3.5/CLP/ENPrint Date: 06-03-2021  
Page: 1 / 5**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING****1.1. Identification of the substance/mixture**

**Trade name:** ALPHA TERPINENE  
**Substance name:** ALPHA-TERPINENE  
**CAS Number:** 99-86-5  
**CE Number:** 202-795-1  
**REACH Registration number:** 01-2120766853-42

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Raw material for the manufacture of fragrances and/or flavourings.

**1.3. Details of the supplier of the safety data sheet**

**Company:** Prodasynt  
**Address:** 4 Av. Joseph Honoré Isnard  
06130 GRASSE - FRANCE  
**Telephone:** (00 33) 4 93 09 00 11  
**Fax:** (00 33) 4 22 13 07 38  
**E-mail:** info@prodasynt.com

**1.4. Emergency telephone number**

(00 33) 4 93 09 00 11 (8:30 - 17:30)  
National emergency information services:  
**FR: (+33) 1 45 42 59 59 (24h/7)**

**SECTION 2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

Flammable Liquids - Category 3 - H226  
Acute Toxicity - Category 4 (oral) - H302  
Eye Irritant - Category 2 - H319  
Skin sensitizer - Category 1B - H317  
Aspiration hazard - Category 1 - H304  
Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411

**2.2. Label Elements****Hazard pictograms:**

**Signal Word:**  
Danger

**Hazard statements:**

H226 - Flammable liquid and vapour.  
H302 - Harmful if swallowed.  
H304 - May be fatal if swallowed and enters airways.  
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/sparks/open flames/hot surfaces. — No smoking.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. 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.  
P305+P351+P338+P337+P313 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

**Supplemental Hazard Information:**

Contains ALPHA-TERPINENE. May produce an allergic reaction.

**2.3. Other hazards**

No Information available

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

Chemical name: ALPHA-TERPINENE  
CAS number: 99-86-5  
EC number: 202-795-1

**Hazardous constituents:**

Chemical Name	% (w/w)	CAS No EC No	Classification according to Regulation 1272/2008
ALPHA-TERPINENE	≥50	99-86-5 202-795-1	Flam. Liq. 3 - H226 Acute Tox. 4 (oral) - H302 Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411
PARA-CYMENE	≥1; <10	99-87-6 202-796-7	Flam. Liq. 3 - H226 Repr. 2 - H361 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411

See the full text of the hazard statements in section 16.

**3.2. Mixtures**

Not applicable.

**SECTION 4. FIRST-AID MEASURES****4.1. Description of necessary first aid measures**

Ingestion: Rinse mouth with water.  
Obtain medical advice.  
Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, 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: Take off immediately all contaminated clothing.  
Thoroughly wash affected skin with soap and water.  
Seek medical attention if symptoms persist.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No information available.

**SECTION 5. FIRE-FIGHTING MEASURES****5.1. Extinguishing Media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.  
For safety reasons do not use full water jet.

**5.2. Special hazards arising from the substance or mixture**

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

**5.3. Advice for firefighters**

High temperatures can lead to high pressures inside closed containers.  
Avoid inhalation of vapors that are created. Use appropriate respiratory protection.  
Do not allow spillage of fire to be poured into drains or watercourses.  
Wear self-contained breathing apparatus and protective clothing.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.  
Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

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**6.2. Environmental precautions**

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

**6.3. Methods and materials for containment and cleaning up**

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Place in covered containers using non-sparking tools and transport outdoors.

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).

Ventilate area and wash spill site after material pickup is complete.

**6.4. Reference to other sections**

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

**SECTION 7. HANDLING AND STORAGE****7.1. Precautions for safe handling**

Do not store or handle this material near food or drinking water. Do not smoke.

Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.

Observe the rules of safety and hygiene at work.

Keep in the original container or an alternative made from a compatible material.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.

Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

Keep away from incompatible materials (see section 10).

**7.3. Specific end use(s)**

No information available.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****8.1. Control parameters**

Components with occupational exposure limits:

None known.

**8.2. Exposure controls**

Appropriate engineering controls:

Measures should be taken to prevent materials from being splashed into the body.

Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

Eye/Face protection:

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Hand Protection:

Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Body protection:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory Protection:

In case of insufficient ventilation, use suitable respiratory equipment.

Environmental exposure controls:

Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation.

In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

Appearance:	Liquid
Colour:	Conforms to standard
Odour:	Conforms to standard
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	-48°C
Boiling point/boiling range (°C):	177-183 (760 mm Hg)
Flash point:	55 °C
Evaporation rate:	Not determined
Flammability:	Not determined
Lower flammability/Explosive limit:	Not determined
Upper flammability/Explosive limit:	Not determined
Vapour pressure:	150 Pa (20°C); 940 Pa (50°C)
Vapour Density:	Not determined
Density:	0,835–0,848 g/mL (20°C)
Relative density:	0,835–0,848 (20°C)

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Water solubility:	INSOLUBLE IN WATER
Solubility in other solvents:	SOLUBLE IN ETHANOL 90%
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity, dynamic:	DYNAMICS 20°C 0,75 cP; STATICS 20°C 0,9 cSt
Viscosity, kinematic:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

**9.2. Additional information**

No information available.

**SECTION 10. STABILITY AND REACTIVITY**

**10.1. Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

**10.2. Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

**10.3. Possibility of hazardous reactions**

No hazardous reactions if stored and handled as prescribed/indicated.

**10.4. Conditions to Avoid**

Conditions to Avoid: Excessive heat, flame or other ignition sources.

**10.5. Incompatible materials**

Avoid contact with strong acids and bases and oxidizing agents.

**10.6. Hazardous decomposition products**

During combustion may form carbon monoxide and unidentified organic compounds.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Harmful if swallowed.
<b>Skin corrosion/irritation</b>	Based on the data available, the criteria for classification are not met.
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Based on the data available, the criteria for classification are not met.
<b>Carcinogenicity</b>	Based on the data available, the criteria for classification are not met.
<b>Reproductive toxicity</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-single exposure</b>	Based on the data available, the criteria for classification are not met.
<b>STOT-repeated exposure</b>	Based on the data available, the criteria for classification are not met.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1. Toxicity**

**Assessment:**

Toxic to aquatic life with long lasting effects.

**Experimental/calculated data:**

No information available.

**12.2. Degradability**

Biodegradation : 40%. (OECD 301 F).

**12.3. Bioaccumulative potential**

No information available.

**12.4. Soil mobility**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

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**12.6. Other adverse effects**

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

Dispose of in accordance with national and local environmental regulations.

**SECTION 14: TRANSPORT INFORMATION**

	ADR/RID/ADN	IMDG	IATA-ICAO
<b>14.1. UN Number</b>	UN2319	UN2319	UN2319
<b>14.2. UN Proper Shipping Name</b>	TERPENE HYDROCARBONS, N.O.S.	TERPENE HYDROCARBONS, N.O.S. (ALPHA-TERPINENE)	TERPENE HYDROCARBONS, N.O.S.
<b>14.3. Transport Hazard Class(es)</b>	3	3	3
<b>14.4. Packing Group</b>	III	III	III
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes
<b>Additional information</b>			

**14.6 Special precautions for user**

None known

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

No information available

**15.2. Chemical safety assessment**

No information available

**SECTION 16: OTHER INFORMATION**

**Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:**

- H226 – Flammable liquid and vapour.
- H302 – Harmful if swallowed.
- H304 – May be fatal if swallowed and enters airways.
- H317 – May cause an allergic skin reaction.
- H319 – Causes serious eye irritation.
- H361 – Suspected of damaging fertility or the unborn child.
- H411 – Toxic to aquatic life with long lasting effects.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

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