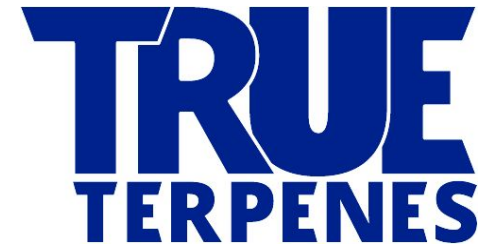


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1. Product and Company Information

Product Name	β -Pinene
CAS Number(s)	127-91-3
Company	True Terpenes (888) 954-8550 TrueTerpenes.com
Emergency Contact	Poison Control Help Line: 1 (800) 222-1222

2. Hazard(s) Identification

Physical Hazards	Flammable liquids	Category 3
Health Hazards	Acute toxicity, Oral	Category 4
	Acute toxicity, Inhalation	Category 4
	Acute toxicity, Dermal	Category 4
	Skin irritation	Category 2
	Eye irritation	Category 2A
	Skin sensitization	Category 1
	Specific target organ toxicity, single exposure	Category 3, respiratory system
	Aspiration hazard	Category 1
Environmental Hazards	Not Classified	

Label Elements



Signal Word DANGER

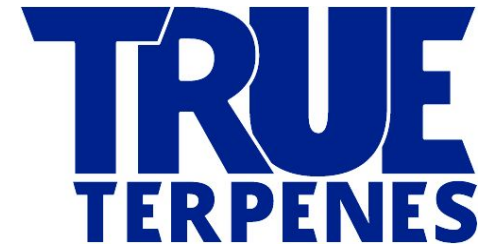
Hazard Statement(s)

H226	Flammable liquid and vapor.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled.
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.

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H335 May cause respiratory irritation.

Precautionary Statement(s)

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / lighting / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective glove / protective clothing / eye protection / face protection.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P303 + P361 + P353 IF ON SKIN: (or hair): Remove / take off immediately all contaminated clothing. Rinse skin with water / shower.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor / physician if you feel unwell.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.
P337 + P313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

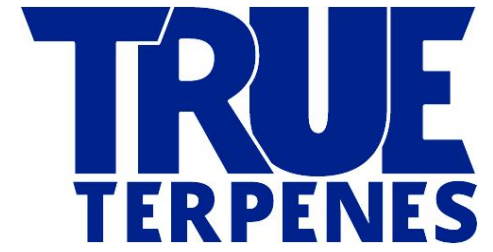
P501 Dispose of contents / container to an approved waste disposal plant.



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3. Ingredient Composition and Classification

Chemical Name	Common Name and Synonyms	CAS Number	Formula	Molecular Weight
β -Pinene	-	127-91-3	C ₁₀ H ₁₆	136.23 g/mol

4. First Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. Firefighting Measures

Extinguishing Media	For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.
Firefighting Procedures	Wear self-contained breathing apparatus for firefighting if necessary.
Hazards and Concerns	Carbon oxides.

6. Accidental Release Measures

Precautions and Procedures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Containment and Cleaning	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.
Environmental Precautions	-



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7. Handling, Storage, and Disposal

Precautions for Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the buildup of electrostatic charge. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Conditions for Safe Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Disposal	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

8. Physical and Chemical Properties

Appearance	Clear, light yellow liquid.
Vapor Density	4.7 g/cm ³
Flash Point	36°C (97°F) - Closed Cup

9. Stability and Reactivity

Stability	Stable under recommended storage conditions.
Incompatibility	Strong oxidizing agents. Heat, flames, and sparks. Vapors may form explosive mixture with air.

10. Toxicological Information

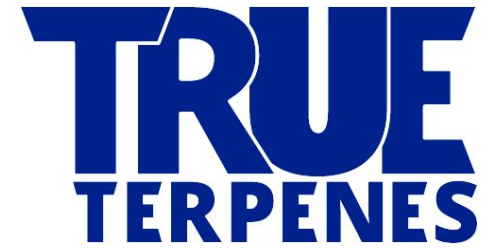
LD50 (Oral)	-
Skin Corrosion/Irritation	-
Serious Eye Damage/Eye Irritation	-
Respiratory or Skin Sensitisation	-
Germ Cell Mutagenicity	-
Reproductive Toxicity	-
Specific Target Organ Toxicity - Single Exposure	-
Specific Target Organ Toxicity - Repeated Exposure	-



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Carcinogenicity	IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.
	NTP	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.
	OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA.

11. Transport Information

DOT	UN Number	2319
	UN Proper Shipping Name	Terpene hydrocarbons, n.o.s.
	Transport Hazard Class(es)	3
	Subsidiary Class(es)	-
	Packing Group	III
	Environmental Hazards	-
	Labels Required	-

12. Regulatory Information

SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
SARA 311 / 312 Hazards	Fire hazard, acute health hazard.
Right to Know Components (Pennsylvania, New Jersey)	(-)-Pin-2(10)-ene, CAS No: 127-91-3
California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
NFPA Rating	Health hazard - 2 Fire hazard - 3 Reactivity hazard - 0 Special hazard - N/A

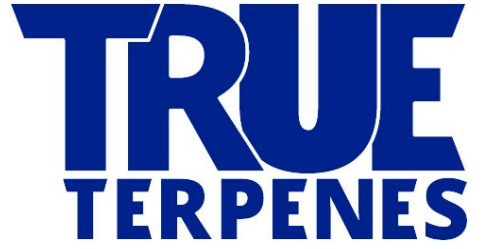
13. Other Information



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True Terpenes cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufactures, and technical groups and is considered to be accurate to the best of True Terpenes' knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

