

Section 1. Product and Company Identification

Product Name Alpha Pinene
CAS Number Mixture

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
☎ (914) 654-6800 📠 (914) 654-6899
🌐 parchem.com ✉ info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

CLP Regulation (EC) n° 1272/2008: Classification of this product has been carried out in accordance with CLP Regulation (EC) n° 1272/2008.

Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400

Aquatic Chronic 1: Hazardous to the aquatic environment, long-term hazard, Category 1, H410

Asp. Tox. 1: Aspiration hazard, Category 1, H304

Flam. Liq. 3: Flammable liquids, Category 3, H226

Skin Irrit. 2: Skin irritation, Category 2, H315

Skin Sens. 1B: Sensitization, skin, Category 1B, H317

GHS Label Elements

Pictograms:



Signal word: DANGER

Hazard and precautionary statements

Hazard statements

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways

Flam. Liq. 3: H226 - Flammable liquid and vapor

Skin Irrit. 2: H315 - Causes skin irritation

Skin Sens. 1B: H317 - May cause an allergic skin reaction

Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No



smoking

P233: Keep container tightly closed

P264: Wash thoroughly after use

P280: Wear protective gloves/protective clothing/eye protection/face protection

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P302+P352: IF ON SKIN: Wash with plenty of water

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.

P403+P235: Store in a well-ventilated place. Keep cool

P501: Dispose of contents and / or containers in accordance with regulations on hazardous waste or packaging and packaging waste respectively

Other hazards: Non-applicable

Section 3. Composition / Information on Ingredients

Common Name Alpha Pinene 99%
Synonym(s) (-)-pin-2(3)-ene; (-)-pin-2(10)-ene
CAS Number Mixture

COMPONENT	CAS NUMBER	CONCENTRATION
(-)-pin-2(3)-ene	7785-26-4	80 – 100%
Camphene	79-92-5	<1%
(-)-pin-2(10)-ene	18172-67-3	<1%

Section 4. First Aid Measures

Description of first aid measures: The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation: This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

By skin contact: In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Security Data Sheet

By eye contact: This product does not contain substances classified as dangerous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration: Request medical assistance immediately, showing the SDS of this product. Do not induce vomiting, but if it does happen keep the head up to avoid inhalation. In the case of loss of consciousness do not administrate anything orally unless supervised by a doctor. Rinse out the mouth and throat, as they may have been affected during ingestion. Keep the person affected at rest.



Indication of any immediate medical attention and special treatment needed: Non-applicable

Section 5. Firefighting Measures

Extinguishing media: Product is non-flammable under normal conditions of storage, manipulation and use. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

Special hazards arising from the substance or mixture: As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

Advice for firefighters: Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product. Evacuate the area and keep out those who do not have protection.

Environmental precautions: Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

Methods and material for containment and cleaning up: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents.

Section 7. Handling and Storage

Precautions for safe handling

Precautions for safe manipulation: Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods. Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used

Technical recommendations for the prevention of fires and explosions: Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products.



Technical recommendations to prevent ergonomic and toxicological risks: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

Technical recommendations to prevent environmental risks: Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

Conditions for safe storage, including any incompatibilities

Maximum Temp.: 25°C

General conditions for storage: Avoid sources of heat, radiation, static electricity and contact with food.

Section 8. Exposure Controls / Personal Protection

Control parameters: Substances whose occupational exposure limits have to be monitored in the work environment. There are no environmental limits for the substances contained in the product.

DNEL (Workers)

		Short Exposure		Long Exposure	
Identification		Systemic	Local	Systemic	Local
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.8 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5.69 mg/m ³	Non-applicable
Camphene CAS: 79-92-5 EC: 201-234-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	1.25 mg/kg	Non-applicable	0.21 mg/kg	Non-applicable
	Inhalation	110.19 mg/m ³	Non-applicable	110.19 mg/m ³	Non-applicable
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	5.98 mg/m ³	Non-applicable

DNEL (General population)

Identification		Short Exposure		Long Exposure	
		Systemic	Local	Systemic	Local
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Oral	Non-applicable	Non-applicable	0.3 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.3 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1 mg/m ³	Non-applicable
Camphene CAS: 79-92-5 EC: 201-234-8	Oral	0.625 mg/kg	Non-applicable	0.1 mg/kg	Non-applicable
	Dermal	0.625 mg/kg	Non-applicable	0.1 mg/kg	Non-applicable
	Inhalation	54.3 mg/m ³	Non-applicable	54.3 mg/m ³	Non-applicable
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Oral	Non-applicable	Non-applicable	0.31 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1.06 mg/m ³	Non-applicable

PNEC

Identification				
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	STP	6.6 mg/L	Fresh water	0.000303 mg/L
	Soil	0.0158 mg/kg	Marine water	0.00003 mg/L
	Intermittent	3.03 mg/L	Sediment (Fresh water)	0.0783 mg/kg
	Oral	13.1 g/kg	Sediment (Marine water)	0.00783 mg/kg
Camphene CAS: 79-92-5 EC: 201-234-8	STP	10 mg/L	Fresh water	0.00072 mg/L
	Soil	0.0211 mg/kg	Marine water	0.000072 mg/L
	Intermittent	0.00072 mg/L	Sediment (Fresh water)	0.0262 mg/kg
	Oral	2.08 g/kg	Sediment (Marine water)	0.00262 mg/kg
(-)-pin-2(10)-ene CAS: 18172-67-3	STP	3.26 mg/L	Fresh water	0.002 mg/L
	Soil	0.49 mg/kg	Marine water	0.0002 mg/L



EC: 242-060-2	Intermittent	Non-applicable	Sediment (Fresh water)	0.485 mg/kg
	Oral	1.35 g/kg	Sediment (Marine water)	0.048 mg/kg

Exposure controls

General security and hygiene measures in the work place: As a preventative measure it is recommended to use basic Personal Protection Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. All information contained herein is a recommendation which needs some specification from the labor risk prevention services as it is not known whether the company has additional measures at its disposal.

Respiratory protection: Filter mask for gases and vapors. Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

Specific protection for the hands: Chemical protective gloves. Replace the gloves at any sign of deterioration.

Ocular and facial protection: Panoramic glasses against liquid splash. Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

Bodily protection: Antistatic and fireproof protective clothing. Safety footwear with antistatic and heat resistant properties. Limited protection against flames. Replace boots at any sign of deterioration.

Environmental exposure controls: In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container.

Volatile organic compounds: With regard to Directive 2010/75/EU, this product has the following characteristics.

V.O.C. (Supply): 99.1% weight

V.O.C. density at 20°C: 850.28 kg/m³ (850.28 g/l)

Average carbon number: 10

Average molecular weight: 136.2 g/mol

Section 9. Physical and Chemical Properties

Physical state at 20°C: Liquid

Appearance: Not available

Color: Colorless

Odor: Not available

Boiling point at atmospheric pressure: 155°C

Vapor pressure at 20°C: 686 Pa

Vapor pressure at 50°C: 3137 Pa (3 kPa)

Evaporation rate at 20°C: Non-applicable

Density at 20°C: 856 - 860 kg/m³



Relative density at 20°C: 0.856 - 0.86
Dynamic viscosity at 20°C: 2.12 cP
Kinematic viscosity at 20°C: 2.46 cSt
Kinematic viscosity at 40°C: < 20.5 cSt
Concentration: Non-applicable
pH: Non-applicable
Vapor density at 20°C: Non-applicable
Partition coefficient n-octanol/water 20°C: Non-applicable
Solubility in water at 20°C: Non-applicable
Solubility properties: Non-applicable
Decomposition temperature: Non-applicable
Melting point/freezing point: Non-applicable
Flash Point: 33°C
Autoignition temperature: 255°C
Lower flammability limit: Not available
Upper flammability limit: Not available
Surface tension at 20°C: Non-applicable
Refraction index: 1.462 - 1.468

Section 10. Stability and Reactivity

Reactivity: No hazardous reactions are expected if the following technical instructions storage of chemicals.

Chemical stability: Chemically stable under the conditions of storage, handling and use.

Possibility of hazardous reactions: Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

Conditions to avoid

Shock and friction: Not applicable

Contact with air: Not applicable

Increase in temperature: Not applicable

Sunlight: Avoid direct impact

Humidity: Not applicable

Incompatible materials

Acids: Not applicable

Water: Not applicable

Combustive materials: Avoid direct impact

Combustible materials: Not applicable

Others: Not applicable

Hazardous decomposition products: Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.



Section 11. Toxicological Information

Information on toxicological effects: The experimental information related to the toxicological properties of the product itself is not available.

Dangerous health implications: In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure.

Ingestion

Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption.

Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.

Inhalation

Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation.

Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Contact with the skin and the eyes

Contact with the skin: Produces skin inflammation.

Contact with the eyes: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for skin contact.

CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)

Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned.

Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Sensitizing effects

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensibilizing effects.

Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

Specific target organ toxicity (STOT)-time exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect.

Aspiration hazard: The consumption of a considerable dose can cause pulmonary damage.

Other information: Non-applicable

Specific toxicology information on the substances

	Acute Toxicity		Genus
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	LD50 oral	3700 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	LD50 oral	4800 mg/kg	Rat
	LD50 dermal	Non-applicable	
	LC50 inhalation	Non-applicable	

Section 12. Ecological Information

Toxicity

Identification	Acute Toxicity		Species	Genus
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	LC50	0.1 - 1 mg/L (96h)		Fish
	EC50	0.1 - 1 mg/L (48h)		Crustacean
	EC50	0.1 - 1 mg/L		Algae
Camphene CAS: 79-92-5 EC: 201-234-8	LC50	0.72 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	46 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	Non-applicable		
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	LC50	0.56 mg/L (96 h)	Cyprinus carpio	Fish
	EC50	1.2 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	0.7 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

Persistence and degradability

Identification	Degradability		Biodegradability	
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	78%
Camphene CAS: 79-92-5 EC: 201-	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	28 days



234-8	BOD5/COD	Non-applicable	% Biodegradable	4%
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	BOD5	Non-applicable	Concentration	2 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	76 %

Bioaccumulative potential

Identification	Bioaccumulation Potential	
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232- 077-3	BCF	1250
	Pow Log	4.5
	Potential	Very High
Camphene CAS: 79- 92-5 EC: 201-234-8	BCF	1290
	Pow Log	4.22
	Potential	Very High
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	BCF	1100
	Pow Log	4.4
	Potential	Very High

Mobility in soil

Identification	Absorption/Desorption		Volatility	
(-)-pin-2(3)-ene CAS: 7785-26-4 EC: 232-077-3	Koc	2180	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	Non-applicable	Moist soil	Non-applicable
Camphene CAS: 79-92-5 EC: 201- 234-8	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	10980 N/m (205.93°C)	Moist soil	Non-applicable
(-)-pin-2(10)-ene CAS: 18172-67-3 EC: 242-060-2	Koc	2080	Henry	Non-applicable
	Conclusion	Low	Dry soil	Non-applicable
	Surface tension	26850 N/m (25°C)	Moist soil	Non-applicable

Results of PBT and vPvB assessment: Non-applicable

Other adverse effects: Not described

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**Transport of dangerous goods by land
With regard to ADR 2015 and RID 2015**

UN number: UN2368

UN proper shipping name: alpha-PINENE

Transport hazard class(es): 3

Labels: 3

Packing group: III

Dangerous for the environment: Yes

Special precautions for user

Special regulations: Non-applicable

Tunnel restriction code: D/E

Limited quantities: 5 L

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Non-applicable

Transport of dangerous goods by sea

With regard to IMDG 37-14

UN number: UN2368

UN proper shipping name: alpha-PINENE

Transport hazard class(es): 3

Labels: 3

Packing group: III

Dangerous for the environment: Yes

Special precautions for user

Special regulations: Non-applicable

EmS Codes: F-E, S-E

Limited quantities: 5 L

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Non-applicable

Transport of dangerous goods by air

With regard to IATA/ICAO 2015

UN number: UN2368

UN proper shipping name: alpha-PINENE

Transport hazard class(es): 3

Labels: 3

Packing group: III

Dangerous for the environment: Yes



Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Non-applicable

Section 15. Regulatory Information

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

Candidate substances for authorization under the Regulation (EC) 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorization List") and sunset date: Non-applicable

Regulation (EC) 1005/2009, about substances that deplete the ozone layer: Non-applicable

Active substances for which a decision of non-inclusion onto Annex I (Regulation (EU) No 528/2012): Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Limitations to commercialization and the use of certain dangerous substances and mixtures (Annex XVII, REACH): Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as metallic glitter intended mainly for decoration, artificial snow and frost, "whoopee" cushions, silly string aerosols, imitation excrement, horns for parties, decorative flakes and foams, artificial cobwebs, and stink bombs.

Specific provisions in terms of protecting people or the environment: It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation: The product could be affected by sectorial legislation

Chemical safety assessment: The supplier has not carried out evaluation of chemical safety.

NFPA

Health Hazards: 2

Flammability Hazards: 3

Instability Hazards: 0

Special Hazards: Non-applicable



Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/25/2017

