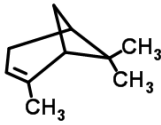


# ALPHA PINENE



## General Information

Chemical Formula	(CH <sub>2</sub> ) <sub>4</sub> (COOH) <sub>2</sub>	
Synonym	Acitene A	
Origin	China	
H.S. Code	2902.19	
CAS No.	80-56-8	
Molecular Weight	136.23 g mol <sup>-1</sup>	

## Application

Camphene	It is used to produce camphene, which is employed in fragrances and as flavoring agent in food.
Pine oil	It is used to produce pine oil, which is used to manufacture sanitizers and cleaners.
Borneal	It is used as starting material for the production of borneal, which is used in Chinese medicines and insect repellents.
Other applications	It is also used in perfumes, pharmaceuticals, resins and some synthetic organic compounds.

## Specification

Property	Units	Value
Appearance		Clear colourless to slightly yellowish liquid
Purity	%	95 (min)
Density at 20°C	g/cm <sup>3</sup>	0.855 – 0.860
Optical Rotation		-36 deg, 10 cm
Flash Point	°C	34
Refractive Index at 20°C		1.460 – 1.473
Boiling Range	°C	154 - 157
Stability		Stable for 12 months under normal conditions of temperature

## Packaging

- 800 @ 25 kg HM-HDPE Carbuoys, 20 MT / 20'FCL
- 100 @ 180 kg Galvanized Iron Drum, 18 MT / 20'FCL

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