

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b> W1796 Product Specification	
	<b>Document #:</b> 02-1006	<b>Rev #:</b> 001
	<b>Status:</b> ACTIVE	<b>Date Issued:</b> 12/02/2020

### Product Identifiers

Product Name:	VERBENOL
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Synerzine Item #	<b>W1796</b>	CAS #	473-67-6	FEMA #	3594
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### Material Properties

Molecular Formula	C10H16O	Flash Point (°F, CC)	> 200
Molecular Weight	152.2	Boiling Point	215°C @ 760mmHg
Shelf Life (days)	730	Physical State	Solid

Solubility	Insoluble in water; soluble in alcohol.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place.
Handling Precautions	Avoid contact of eyes and skin. In case of contact, flush copiously with water. Keep away from heat and flame.

### Specified Critical Limits

Critical Property	Test Method	UOM	Lower Limit	Upper Limit
Color	Visual Analysis	None	White	Pale yellow
Odor	Organoleptic Analysis	None	Pine, minty	
Chemical Purity	Gas Chromatography	%	70.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	N/A	N/A
Refractive Index	Refractometric Analysis	nD20	N/A	N/A

### Notes

CAS No. 473-67-6 for trans-verbenol (mp 22.5°C)  
 CAS NO. 1820-09-3 for cis-verbenol (mp 72°C)  
 CAS No. 1845-30-3 for non-descript  
 Also known as: 2-Pinen-4-ol;4-hydroxy-2,6,6-trimethyl-bicyclo[3.1.1]hept-2-ene  
 Optical rotation: -70 to -140  
 Melting Point: 62-68°C

*This specification was generated electronically, and is therefore unsigned.*

**Synerzine**

Quality Control Dept.

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