

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	C504 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	000
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	06/21/2013

**Product Identifiers**

Product Name:	4-PENTENOIC ACID		
Synerzine Item #	<b>C504</b>	CAS #	591-80-0
		FEMA #	2843

**Material Properties**

Molecular Formula	C5H8O2	Flash Point (°F, CC)	200
Molecular Weight	100.1	Boiling Point	188°C
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in alcohol.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place. Stable for years, with slight development of discoloration.
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	UPDATE SPEC	UPDATE SPEC
Odor	Organoleptic Analysis	None	Woody, cheesy	
Chemical Purity	Gas Chromatography	%	97.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.971	0.979
Refractive Index	Refractometric Analysis	nD20	1.424	1.432

**Notes**

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