

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	C1056 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	002
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**Product Identifiers**

Product Name:	5 AND 6-DECENOIC ACID		
Synerzine Item #	<b>C1056</b>	CAS #	72881-27-7
		FEMA #	3742

**Material Properties**

Molecular Formula	C10H18O2	Flash Point (°F, CC)	176
Molecular Weight	170.28	Boiling Point	210°C/ 5mm Hg
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in alcohols.
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	Colorless	Pale Yellow
Odor	Organoleptic Analysis	None	Milk, cheese	
Chemical Purity	Gas Chromatography	% Isomeric Sum	90.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.916	0.945
Refractive Index	Refractometric Analysis	nD20	1.445	1.455

**Notes**

Also known as MILK LACTONE.  
 \* Typical: 90% (consisting of 35-45% cis and trans-5-decenoic acid;  
 40-50% cis and trans-6-decenoic acid);  
 10-15% other decenoic acids

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