

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	C1056 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	005
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	12/05/2024

### Product Identifiers

Product Name:	5 AND 6-DECENOIC ACID (MILK LACTONE)
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Synerzine Item #	<b>C1056</b>	CAS #	72881-27-7	FEMA #	3742
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### 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.
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	0.943
Refractive Index	Refractometric Analysis	nD20	1.445	1.455

### Notes

Also known as MILK LACTONE.

\* Typical: ~90% (cis and trans-5-decenoic acid, cis and trans-6-decenoic acid);  
10-15% other decenoic acids

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

**Synerzine**

Quality Control Dept.

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