

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b> W4100N Product Specification	
	<b>Document #:</b> 02-1006	<b>Rev #:</b> 002
	<b>Status:</b> ACTIVE	<b>Date Issued:</b> 10/23/2019

### Product Identifiers

Product Name:	GAMMA-DODECALACTONE, NATURAL
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Synerzine Item #	<b>W4100N</b>	CAS #	2305-05-7	FEMA #	2400
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### Material Properties

Molecular Formula	C12H22O2	Flash Point (°F, CC)	>230
Molecular Weight	198.30574	Boiling Point	140-145°C @ 5mm
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in alcohols; insoluble in water.
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	Fatty, peach, sweet, metallic, fruity	
Chemical Purity	Gas Chromatography	%	97.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.930	0.940
Refractive Index	Refractometric Analysis	nD20	1.451	1.456

### Notes

45-55% isomer 1; 45-55% isomer 2; product is racemic

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

**Synerzine**

Quality Control Dept.

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