

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b> W3510 Product Specification	
	<b>Document #:</b> 02-1006	<b>Rev #:</b> 004
	<b>Status:</b> ACTIVE	<b>Date Issued:</b> 11/11/2022

### Product Identifiers

Product Name:	TRANS-2-HEPTENAL
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Synerzine Item #	<b>W3510</b>	CAS #	18829-55-5	FEMA #	3165
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### Material Properties

Molecular Formula	C7H12O	Flash Point (°F, CC)	125
Molecular Weight	112.17	Boiling Point	165°C @ 760 mmHg
Shelf Life (days)	730	Physical State	Liquid

Solubility	Slightly soluble in water; soluble in alcohols.
Storage and Stability	Store in a fully closed container in a refrigerated (<40°F), dry discoloration. Shelf life: 24 months
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	Yellow
Odor	Organoleptic Analysis	None	Green, fatty, oily, fruity	
Chemical Purity	Gas Chromatography	% Isomeric Sum	95.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.840	0.847
Refractive Index	Refractometric Analysis	nD20	1.442	1.452

### Notes

\*CAS # 57266-86-1 has been assigned to the cis- isomer.  
CAS # 2463-63-0 has been assigned to the mixture of isomers. Sum of isomers (isomer 1: 90-99.9%, isomer 2: 0.1-10%)

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

**Synerzine**

Quality Control Dept.

Date Printed: 11/11/2022