

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	NV645 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:	3-METHYLPENTANOIC ACID, NATURAL
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Synerzine Item #	<b>NV645</b>	CAS #	105-43-1	FEMA #	3437
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**Material Properties**

Molecular Formula	C6H12O2	Flash Point (°F, CC)	185
Molecular Weight	116.2	Boiling Point	90°C at 1mm Hg
Shelf Life (days)	730	Physical State	Liquid

Solubility	Slightly soluble 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	Colorless	Pale yellow
Odor	Organoleptic Analysis	None	Sour, herbaceous, green, parmesan cheese	
Chemical Purity	Gas Chromatography	%	96.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.920	0.940
Refractive Index	Refractometric Analysis	nD20	1.400	1.420

**Notes**

Also known as 3-methylvaleric acid

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