

 synerzine TM	Title:	V645 Product Specification		
	Document #:	02-1006	Rev #:	000
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Product Identifiers

Product Name:	3-METHYLPENTANOIC ACID
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Synerzine Item #	V645	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	Colorless
Odor	Organoleptic Analysis	None	Green, parmesan cheese	
Chemical Purity	Gas Chromatography	%	98.0%	100.0%
Density	Density Analysis	g/cm ³ @ 20°C	0.920	0.940
Refractive Index	Refractometric Analysis	nD20	1.410	1.420

Notes

Also known as 3-methylvaleric acid

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