

 synerzine TM	Title:	W0409 Product Specification		
	Document #:	02-1006	Rev #:	001
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Product Identifiers

Product Name:	3,4-DIMETHYL-1,2-CYCLOPENTANEDIONE
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Synerzine Item #	W0409	CAS #	13494-06-9	FEMA #	3268
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Material Properties

Molecular Formula	C7H10O2	Flash Point (°F, CC)	>200
Molecular Weight	126.15	Boiling Point	187
Shelf Life (days)	730	Physical State	Solid

Solubility	Soluble in water, glycols, alcohols.
Storage and Stability	Store in fully closed container in cool (~20°C) dry place. Stable for years, with slight development of discoloration. BEST REFRIGERATED. USABLE EVEN IF DARKENS OR BECOMES MORE PASTY.
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	White	Light brown
Odor	Organoleptic Analysis	None	Strong caramel, maple	
Chemical Purity	Gas Chromatography	%	95.0%	100.0%
Density	Density Analysis	g/cm ³ @ 20°C	N/A	N/A
Refractive Index	Refractometric Analysis	nD20	N/A	N/A

Notes

ALSO NAMED: 3,4-DIMETHYL-1,2-CYCLOPENTADIONE
ENOL and KETO forms

This specification was generated electronically, and is therefore unsigned.

Synerzine
Quality Control Dept.

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