

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	W0438 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:	4,5 DIHYDRO-3(2H)THIOPHENONE
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Synerzine Item #	<b>W0438</b>	CAS #	1003-04-9	FEMA #	3266
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**Material Properties**

Molecular Formula	C4H6OS	Flash Point (°F, CC)	155
Molecular Weight	102.2	Boiling Point	80°C /20mm
Shelf Life (days)	730	Physical State	Liquid

Solubility	Insoluble in water; soluble in alcohol.
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	Light yellow
Odor	Organoleptic Analysis	None	Roasted, meaty, nutty	
Chemical Purity	Gas Chromatography	%	97.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	1.196	1.216
Refractive Index	Refractometric Analysis	nD20	1.527	1.531

**Notes**

ALSO KNOWN AS: Tetrahydrothiophen-3-one

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

**Synerzine**  
Quality Control Dept.

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