

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b> W2012 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:	2-THIOPHENECARBOXALDEHYDE
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Synerzine Item #	<b>W2012</b>	CAS #	98-03-3	FEMA #	N/A
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### Material Properties

Molecular Formula	C5H4OS	Flash Point (°F, CC)	175
Molecular Weight	112.15	Boiling Point	198°C
Shelf Life (days)	730	Physical State	Liquid

Solubility	Soluble in organic solvents. Water solubility: 14.4 g/L @ 25°C
Storage and Stability	Store in fully closed container. Recommended storage temperature: 2-8°C 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	Pale yellow	Dark amber
Odor	Organoleptic Analysis	None	Sulfurous	
Chemical Purity	Gas Chromatography	%	98.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	1.190	1.225
Refractive Index	Refractometric Analysis	nD20	1.580	1.600

### Notes

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

**Synerzine**

Quality Control Dept.

Date Printed: 6/26/2021