

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	T939 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	001
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	04/15/2022

**Product Identifiers**

Product Name:	4,5-DIMETHYL-2-ISOBUTYL THIAZOLE
---------------	----------------------------------

Synerzine Item #	<b>T939</b>	CAS #	53498-32-1	FEMA #	N/A
------------------	-------------	-------	------------	--------	-----

**Material Properties**

Molecular Formula	C9H15NS	Flash Point (°F, CC)	167
Molecular Weight	169.25	Boiling Point	194°F ( @ 12mmHg )
Shelf Life (days)	730	Physical State	Liquid

Solubility	Slightly in water; soluble in organic solvents.
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	Water-white	Amber
Odor	Organoleptic Analysis	None	Strong vegetable	
Chemical Purity	Gas Chromatography	%	96.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	0.967	0.977
Refractive Index	Refractometric Analysis	nD20	1.493	1.498

**Notes**

--

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

**Synerzine**  
Quality Control Dept.

Date Printed: 4/15/2022