

 <b>synerzine</b> <sup>TM</sup>	<b>Title:</b>	V520 Product Specification		
	<b>Document #:</b>	02-1006	<b>Rev #:</b>	001
	<b>Status:</b>	ACTIVE	<b>Date Issued:</b>	07/12/2021

**Product Identifiers**

Product Name:	2-KETOBUTYRIC ACID*
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Synerzine Item #	<b>V520</b>	CAS #	600-18-0	FEMA #	3723
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**Material Properties**

Molecular Formula	C4H6O3	Flash Point (°F, CC)	179
Molecular Weight	102.09	Boiling Point	80-82°C @ 16mmHg
Shelf Life (days)	730	Physical State	Solid

Solubility	Soluble 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	White	Pale Yellow
Odor	Organoleptic Analysis	None	Sweet, brown, caramel, creamy	
Chemical Purity	Gas Chromatography	%	95.0%	100.0%
Density	Density Analysis	g/cm <sup>3</sup> @ 20°C	N/A	N/A
Refractive Index	Refractometric Analysis	nD20	N/A	N/A

**Notes**

\*Also named: 2-oxobutyric acid.  
As a liquid color range: Colorless to Pale Yellow

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

**Synerzine**

Quality Control Dept.

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