

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

<b>Product:</b>	<b>Butyl Butyryl Lactate, Natural</b>
<b>FEMA No:</b>	<b>2190</b>
<b>CAS No:</b>	<b>7492-70-8</b>
<b>CFR No:</b>	<b>117</b>
<b>Chemical name or Synonyms:</b>	<b>2-Butoxy-1-methyl-2-oxoethylbutyrate</b>
<b>Empirical Formula:</b>	<b>C<sub>11</sub>H<sub>20</sub>O<sub>4</sub></b>
<b>Declaration in USA:</b>	<b>Natural</b>
<b>EEC:</b>	<b>Natural flavoring substance</b>
<b>Appearance:</b>	<b>Colorless to pale yellow liquid</b>
<b>Odor:</b>	<b>Buttery; cheesy</b>
<b>Acid Value:</b>	<b>NMT 1.0</b>
<b>Boiling Point:</b>	<b>90°C</b>
<b>Flash Point:</b>	<b>&gt;110°C</b>
<b>Specific Gravity @ 25°C: (for liquids only)</b>	<b>0.966-0.978</b>
<b>Refractive Index @ 20°C: (for liquids only)</b>	<b>1.417-1.427</b>
<b>Purity (GLC):</b>	<b>95% Min</b>
<b>Solubility:</b>	<b>Soluble in propylene glycol, organic solvents and oils Miscible in ethanol at room temperature; slightly soluble in water</b>
<b>Storage and Shelf Life:</b>	<b>In tightly closed container away from light and source of ignition - 24 months shelf life</b>

Revision #2 March 13, 2019