

# Product Specification



The Natural Choice for Flavor  
and Fragrance Ingredients

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|--|---|
| Product:                                       | Butyl Butyrate (n-Butyl Butyrate), Natural  |
| FEMA No:                                       | 2186  |
| CAS No:  | 109-21-7  |
| CFR No:  | 117   |
| Chemical name or Synonyms:                     | 1-butyl butyrate  |
| Empirical Formula:                             | $C_8H_{16}O_2$  |
| Declaration in USA:<br>EEC:                    | Natural<br>Natural flavoring substance  |
| Appearance:                                    | Colorless liquid  |
| Odor:  | Strong, fruity  |
| Boiling Point:                                 | 165°C   |
| Flash Point:                                   | 49.4°C  |
| Specific Gravity @ 25°C:<br>(for liquids only) | 0.867-0.877   |
| Refractive Index @ 20°C:<br>(for liquids only) | 1.405-1.407   |
| Purity (GLC):                                  | 98% Min   |
| Solubility:                                    | Slightly soluble in water and propyl glycol; 1mL in 3mL<br>70% alcohol; miscible in alcohol, ether and most<br>vegetable oils |
| Storage and Shelf Life:                        | Store in a cool, dry place away from light and ignition<br>source. 24 Months shelf life                                       |

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