

## Product Specification

Product code:	1027
Product name:	Natural Butyl Butyryl Lactate
Chemical name or synonyms:	2-butoxy 1-methyl 2-oxoethyl butyrate
Empirical formula:	C <sub>11</sub> H <sub>20</sub> O <sub>4</sub>
Declaration in USA:	Natural
EU:	Natural Flavoring Substance
Appearance:	Colorless to pale yellow liquid
Odor:	Milk, mild cheese, buttery
Melting point (for solids only):	N/a
Boiling point:	N/a
Flash point:	>110°C
Specific gravity @ 20°/20°C:	0.970 - 0.980
Refractive index @ 20°C:	1.415 - 1.425
Optical Rotation:	-39.0 to -31.0%
Assay (by GLC):	98% min.
%R:	0.1 – 8.0%
%S:	92.0 – 99.9%
%ee:	84.0 – 99.8%
Solubility:	Insoluble in water; soluble in most organic solvents.
Storage and shelf life:	In tightly closed container away from light and source of ignition at max. 20°C; 24 months min.
FEMA No.:	2190
CFR No.:	172.510
EINECS No.:	231-326-3
CAS No.:	7492-70-8
CoE No.:	2107
HS code:	2918.11.5100
FLAVIS No.:	09.491