



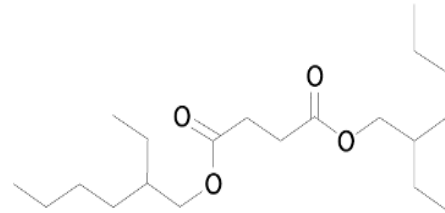
# Technical Data Sheet

APRIL 2017, REV:0

## BIOMELFLEX<sup>®</sup>

(dioctyl butanedioate)

**CAS NUMBER:** 2915-57-3  
**MOLECULAR FORMULA:** C<sub>20</sub>H<sub>38</sub>O<sub>4</sub>  
**MOLECULAR WEIGHT:** 342,513 g/mol



PARAMETERS	VALUE	METHODS
ESTER %	≥99,5	ASTM D3465
REFRACTIVE INDEX n <sub>20D</sub> (20°C)	1,4450±0,003	ASTM D1045-08 (D1218)
SPECIFIC GRAVITY 20/20°C (g/cm <sup>3</sup> )	0,930±0,01	ASTM D1045-08 (D287-D4052)
VISCOSITY (cP) 20°C	20±5	BROOKFIELD METHOD
ACIDITY( as mgKOH/g ) (%)	0,10 max.	ASTM D1045-08
WATER CONTENT (Karl Fischer) %	0,01 max.	ASTM D1045-08 (E203)
OPEN CUP FLASH POINT (COC),°C	160 min.	ASTM D-92
COLOR (Pt-Co Scale) (Hazen)	30 max.	ASTM D1045-08 (D1209)

### Applications:

**BIOMELFLEX** is a bio-based plasticizer with outstanding performances for low temperature uses and applications in an oily environment. Suggested applications include flooring, food cling wraps and adhesives & sealants.



PET Resin, Plasticers & PVC Floor Cover

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**Operating With:** ISO 9001-2000, ISO 14001, OHSAS 18001-2004, TSE