Dioctyl Maleate (DOM)

Maleic Acid Dioctyl Ester
Bis(2-ethylhexyl) maleate
Molecular Formula: \( C_{36}H_{36}O_4 \)
Molecular Weight: 340.5 g/mol
CAS Description: Maleic Acid-di-(2-ethylhexyl)-Ester
CAS No.: [142-16-5]
EINECS-No.: 205-524-5
TSCA: listed
German: Dioctyl maleinat Maleinsäure-di-(2-ethylhexyl)-ester

Packaging
Bulk
PE container of 900 kg net
PE drums of 200 kg net

Applications
Dioctyl Maleate (DOM) is a widely used chemical intermediate and building block for several chemical production processes. Besides its application in chemical synthesis a major field of application for DOM is within the coatings industry. Furthermore, DOM is used as a phthalate-free alternative to common phthalate based plasticizers like DOP.

Other Properties
Boiling point 156 °C / 9 mbar
Melting point 60 °C
Density at 20 °C 0.94 g/cm³
Flash point 185 °C
Ignition temperature 260 °C

DOM Quality (selected parameters)
Description clear liquid
Identity: IR-spectrum conform with ref. spectrum
Colour number max. 50 APHA
Assay (GC-area %) min. 98.0%

Specific Requirements
The above chemical substance was registered in accordance with Regulation (EC) No. 1907/2006 (REACH). The assigned registration number is 01-2119524002-60-0001.