

Chemical Information:

Name: 2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester
CAS No.: 142-16-5 Supplier: Pfaltz and Bauer
Tox21_ID No.: Tox21_201422 Lot No.: 101096-2
NTP_CID No.: 2770 MW: 340.50 g/mol

Date of Analysis: 16 April 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	8.64	1.09
2-Butenedioic acid (2Z)-, bis(2-ethylhexyl) ester	22.39	91.92
Diisooctyl maleate (CAS# 1330-76-3)	23.04	6.34

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	Xcalibur v 1.2, and NIST Library v 2.0f, build 10/08/2008

