

PHTHALATES



Phthalates are esters of 1,2-benzenedicarboxylic acid phthalates. They are colourless and odorless liquids with low water solubility, high oil solubility and low volatility properties.

USAGE

They are commonly used as plasticisers and are often used to soften polyvinyl chloride (PVC) plastics and to increase their flexibility. They are used to manufacture a wide range of products such as toys, food contact materials, automotive applications, building and construction, cables and wires, flooring, medical devices, nail polish, paint/ink pigments, shower curtains, textiles, adhesives, glues, detergents and surfactants.

RISK AND HAZARD

In the European Union, di-(2-ethylhexyl) phthalate (DEHP), di-butyl phthalate (DBP) and benzylbutyl phthalate (BBP) have been identified as category 2 reprotoxic substances during risk assessments and/or within the framework of Directive 67/548/EEC.

The following phthalates are restricted in a number of jurisdictions, including the EU (Directive 2005/84/EC) and the US (Consumer Product Safety Improvement Act of 2008, CPSIA)

ITEM	PHTHALATE	ABBREVIATION	CAS NUMBER
1	Di(2-ethylhexyl) Phthalate/Bis-(2-ethylhexyl) Phthalate	DEHP	117-81-7
2	Dibutyl Phthalate	DBP	84-74-2
3	Butyl benzyl Phthalate	BBP	85-68-7
4	Di-isononyl Phthalate	DINP	28553-12-0
5	Di-iso-decyl Phthalate	DIDP	26761-40-0
6	Di-n-octyl Phthalate	DNOP	117-84-0

