



REACH - First Six Substances Subject to Authorisation

The first six substances have been listed for Authorisation in Annex XIV of REACH by Regulation (EU) No 143/2011, as follows:

- 5-tert-butyl-2,4,6-trinitro-m-xylene (Musk Xylene)
- 4,4'-Diaminodiphenylmethane (MDA)
- Hexabromocyclododecane (HBCDD)
- Bis (2-ethylhexyl) phthalate) (DEHP)
- Benzyl butyl phthalate (BBP)
- Dibutyl phthalate (DBP)

All six were originally considered to be substances of very high concern (SVHCs) and added to the Candidate List on 28 October 2008, before being prioritised for Authorisation on 1 June 2009.

The Challenge:

This Regulation sets the latest application date for the Authorised use of each substance. The Sunset Date takes effect after a further 18 months, after which the marketing and use of each substance will be banned for all uses within the scope of REACH, unless Authorised or exempted. These dates and further details are shown in the table overleaf.

This ban will only cover these six substances when they are:

- Supplied on their own;
- Supplied in a mixture;
- Incorporated into an article within the European Union.

Imported articles containing any of these substances that were incorporated into the articles outside of the EU are not covered by the Authorisation process.

However, the European Chemicals Agency (ECHA) is then obliged to consider whether these pose a risk to human health or the environment when contained within articles. If so, they will be considered under the Restriction process for addition to REACH Annex XVII. Of these six substances, DEHP, BBP and DBP are already restricted under Annex XVII in toys and child care articles (incorporating the old Phthalates Directive 2005/84/EC).

Our Solution:

Intertek provides comprehensive logistical, operational, consulting, and engineering solutions for REACH (Registration, Evaluation and Authorization of Chemical Substances – Regulation (EC) No 1907/2006) compliance. Working with our clients, the European Chemicals Agency (ECHA), and the individual EU governments, Intertek provides a single-source solution for meeting the registration, testing, and documentation requirements of the REACH Regulation. Supported by our locations in over 100 countries worldwide, Intertek enables companies to facilitate their REACH compliance.

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Disclaimer

Intertek made all reasonable efforts to ensure the accuracy of the information. However, the information provided should not be relied upon as legal advice or regarded as a substitute for legal advice. The reader should exercise his own care and judgment before relying on this information in any important matter.

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List of Substances Subject to Authorisation (REACH Annex XIV)

Substance	Intrinsic property(ies) referred to in Article 57	Transitional arrangements		Exempted (categories of) uses	Typical uses
		Latest application date	Sunset date		
5-tert-butyl-2,4,6- trinitro-m-xylene (Musk xylene) EC No: 201-329-4 CAS No: 81-15-2	Very persistent, very bioaccumulative (vPvB)	21 February 2013	21 August 2014	-	Fragrance for detergents, fabric conditioners cleaning agents, air fresheners and other household products
4,4'-Diaminodiphenylmethane (MDA) EC No: 202-974-4 CAS No: 101-77-9	Carcinogenic (category 1B)	21 February 2013	21 August 2014	-	Hardener in adhesives, epoxy resins for coatings, filament wound pipes
Hexabromocyclododecane (HBCDD) EC No: 221-695-9, 247-148-4, CAS No: 3194-55-6 25637-99-4 alpha-hexabromocyclododecane CAS No: 134237-50-6 beta-hexabromocyclododecane CAS No: 134237-51-7 gamma-hexabromocyclododecane CAS No: 134237-52-8	Persistent, bioaccumulative and toxic (PBT)	21 February 2014	21 August 2015	-	Flame retardant in textiles used for upholstered furniture, interior and automobile textiles, insulation panels in the construction sector and motor vehicles
Bis(2-ethylhexyl) phthalate (DEHP) EC No: 204-211-0 CAS No: 117-81-7	Toxic for reproduction (category 1B)	21 August 2013	21 February 2015	Uses in the immediate packaging of medicinal products ¹	Plasticizer for indoor and outdoor products (e.g. flooring, roofing, wires, cables, hoses, profiles, coated fabrics (e.g. imitation leather for bags, book covers)), adhesives, sealants, rubber, paints and printing inks
Benzyl butyl phthalate (BBP) EC No: 201-622-7 CAS No: 85-68-7	Toxic for reproduction (category 1B)	21 August 2013	21 February 2015	Uses in the immediate packaging of medicinal products ¹	Plasticizer for flooring, coated leather and fabrics, adhesives, sealants, paints and printing inks
Dibutyl phthalate (DBP) EC No: 201-557-4 CAS No: 84-74-2	Toxic for reproduction (category 1B)	21 August 2013	21 February 2015	Uses in the immediate packaging of medicinal products ¹	Specialist plasticizer used in interior and outdoor polymers (e.g. flooring) and advanced textile products

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¹ Covered under Regulation (EC) No 726/2004, Directive 2001/82/EC, and/or Directive 2001/83/EC