

NEWEST UPDATE ON REGULATION (EU) 1272/2013 REACH AMENDMENT OF PAH

The Commission Regulation (EU) No 1272/2013 published in official journal of European Union on 07 Dec 2013, amended Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as regards Polycyclic Aromatic Hydrocarbons (PAHs). This regulation shall come into force on 27 Dec 2015.

PAHs are organic compounds that are carcinogenic, mutagenic and harmful to the reproductive system. They include over 150 types of compounds such as naphthalene, anthracene, phenanthrene and pyrene. They exist in a wide range of petrochemical products such as plastic, rubber, crude oil, lubricant, rustproof oil, form release agents, mineral oil and tar, and in daily chemicals such as pesticides, charcoal, germicides and mosquito-repellent incense.

Articles with direct, prolonged, or short-term repetitive contact with the human skin or the oral cavity, made of plastic and rubber shall not contain more than 1 mg/kg (0.0001 % by weight of this component) of any of the listed PAHs.

Such articles can include:



Sport Equipment
Bicycles
Golf clubs
Racquets



Household Utensils
Trolleys
Walking frames



Tools for domestic use



Clothing
Footwear
Gloves
Sportswear



Watch-straps
Wrist-bands
masks
head-bands



Toys*
Activity toys*
Childcare Articles*

*Shall not contain more than 0.5 mg/kg (0.00005 % by weight of this component) of any of the listed PAHs.

Under the REACH Regulation (EC) No 1907/2006 Annex XVII, Entry 50, eight PAHs have long been restricted in extender oils used in fires. The same eight PAHs are now subject to the new requirements added by two new paragraphs.

Name of PAH	CAS No.
Benzo[a]pyrene	50-32-8
Benzo[e]pyrene	192-97-2
Benzo[a]anthracene	56-55-3
Chrysene	218-01-9
Benzo[b]fluoranthene	205-99-2
Benzo[j]fluoranthene	205-82-3
Benzo[k]fluoranthene	207-08-9
Dibenzo[a,h]anthracene	53-70-3

If any of your products components come into contact with human skin either as short-term repetitive or prolonged, you should be testing to verify PAH content. The update to Annex XVII is a restriction and if your product is not compliant, it can't be placed on the market. TÜV Rheinland is committed to offering you the latest updates in REACH. Our experts can offer you up-to-date information and recommend relevant test. Please contact us today for more details.



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