

SAFEGUARDS

SGS CONSUMER TESTING SERVICES

HARDLINES, SOFTLINES, ELECTRICAL & ELECTRONICS

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US STATE OF OREGON BANS DECA-BDE IN CONSUMER PRODUCTS

State of Oregon joins Maine ¹, Vermont ², and Washington ³ in banning the use of decabromodiphenyl ether (Deca-BDE) in Consumer Products. The ban in Oregon takes effect on January 1, 2011.

In June 2009, the Governor of Oregon signed into law ⁴ SB 596 'An Act relating to decabrominated diphenyl ether; creating new provisions and amending ORS 453.005, 453.025 and 453.085'. Penta- and Octa-BDE have been restricted since 2006 ⁵. Deca-BDE along with Penta-BDE and Octa-BDE belong to a class of brominated flame retardants (BFRs) commonly known as Polybrominated Diphenyl Ethers (PBDEs).

Deca-BDE is used as a flame retardant in plastic polymers such as High Impact Polystyrene (HIPS). It is also used in computer and television casings, drapery and upholstery fabrics as well as mattresses and other consumer products. Highlights on the Oregon State restriction on PBDEs are summarised in Table 1.



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- ¹ [The State of Maine Bans the use of Deca-BDE in Consumer Products, Safeguards 53/07](#), SGS Consumer Testing Services, June 2007
 - ² [US State of Vermont bans Consumer Products Containing Brominated Flame Retardants, Safeguards 116/09](#), SGS Consumer Testing Services, June 2009
 - ³ [The State of Washington Bans the use of PBDEs in Consumer Products, Safeguards 34/07](#), SGS Consumer Testing Services, May 2007
 - ⁴ An act Relating to decabrominated diphenyl ether; creating new provisions; and amending ORS 453.005, 453.025 and 453.085, [Enrolled Senate Bill 596, 75th Oregon Legislative Assembly – 2009 Regular Session](#)
Modifies definition of "hazardous substance" to include decabrominated diphenyl ether, [Senate Bill 596 relating to decabrominated diphenyl ether, The Oregonian](#)
 - ⁵ An act relating to brominated flame retardants; creating new provisions; and amending ORS 453.005, 453.085 and 453.995, [Enrolled Senate Bill 962, 73rd Oregon Legislative Assembly – 2005 Regular Session](#),

The SGS logo consists of the letters 'SGS' in a bold, sans-serif font. A vertical line is positioned to the right of the 'S', and a horizontal line is positioned below the 'S'.



SGS will follow up and inform interested parties as development on polybrominated flame retardants and other restricted substances occur.

Throughout our global network of laboratories, we are able to provide a range of services, including analytical testing and consultancy for polybrominated flame retardants in a comprehensive range of consumer products for the US and worldwide markets. Please do not hesitate to contact us for further information.

State	Substance	Scope	Requirement	Effective date
Oregon	Penta-BDE	Product	≤ 0.1 %	January 1, 2006
	Octa-BDE		≤ 0.1 %	January 1, 2006
	Deca-BDE		≤ 0.1 %	January 1, 2011

Table 1

Exceptions

- Used products or
- Replacement parts for products containing > 0.1 % Penta-BDE or Octa-BDE introduced into commerce before January 1, 2006, or
- Replacement parts for products containing > 0.1 % Deca-BDE introduced into commerce before January 1, 2011.



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