



# HONGCAI TESTING

Consumer Products

HCT-202102-03

## TSCA restricts the use of five PBT substances

According to the requirements of Section 6(h) of the Toxic Substances Control Act (TSCA), EPA issued five final rules on January 6, 2021 to reduce the impact on certain persistent, bioaccumulative and toxic chemicals (PBT) contact. The five final rules put forward restrictions on decabromodiphenyl ether (decaBDE), phenol, isopropylated phosphate(3:1) (PIP(3:1)), 2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP), pentachlorothiophenol (PCTP), and hexachlorobutadiene (HCBD). These chemicals will accumulate in the environment over time and may therefore pose potential risks to the people who come into contact. The above rules will take effect on February 5, 2021, and will be implemented step by step on March 8.

### Five PBT substance restriction requirements:

Substances	Scope	Limit	Activity	Execution time	Some potentially affected entities
decaBDE	decaBDE or decaBDE-containing products or articles	prohibit	manufacturing or processing	March 8, 2021	Nuclear Electric Power Generation; Power and Communication Line and Related Structures Construction; Nonwoven Fabric Mills; Fabric Coating Mills; All Other Basic Organic Chemical Manufacturing; Paint and Coating Manufacturing; Custom Compounding of Purchased Resins; All Other Miscellaneous Chemical Product and Preparation Manufacturing.
		Prohibit	distribution	January 6, 2022	
	curtains in the hospitality industry	prohibit	manufacturing , processing or distribution	July 6, 2022	
	cable insulation in nuclear power generation facilities	prohibit	manufacturing , processing or distribution	January 6, 2023	
	part of aerospace vehicles	prohibit	manufacturing , processing or distribution	January 8, 2024	
	replacement parts for motor vehicles	prohibit	manufacturing , processing or distribution	After the end of the useful life of the motor vehicle or 2036	



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	prohibited from all distribution in commerce of plastic shipping pallets that contain decaBDE and were manufactured prior March 8, 2021.	prohibit	distribution	After the end of the pallets' service life	
PIP(3:1)	PIP (3:1), including in PIP (3:1)-containing products or articles	prohibit	distribution	March 8 2021	Petroleum Refineries; Petroleum Lubricating Oil and Grease Manufacturing;
	adhesives and sealants	prohibit	processing or distribution	January 6, 2025	Paint and Coating Manufacturing;
	photographic printing articles	prohibit	processing or distribution	January 1, 2022	All Other Basic Organic Chemical Manufacturing; Plastics Material and Resin Manufacturing.
2,4,6-TTBP	2,4,6-TTBP, at any concentration above 0.3 percent by weight, in containers with a volume less than 35 gallons	0.3%	distribution	January 6, 2026	Motor Vehicle Supplies and New Parts Merchant Wholesalers.
	2,4,6-TTBP oil and lubricant additives at any concentration above 0.3 percent by weight.	0.3%	distribution	January 6, 2026	
PCTP	PCTP or PCTP-containing products or articles	1%	manufacturing , processing	March 8 2021	Sporting and Athletic Goods Manufacturing;
		1%	distribution	January 6, 2022	Sporting and Recreational All Other Rubber Product Manufacturing.
HCBD	HCBD and HCBD-containing	prohibit	manufacturing , processing or	March 8 2021	Petroleum Lubricating Oil and Grease Manufacturing.



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	products or articles		distribution		
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**Exemption:**

Substance	Scope of exemption
decaBDE	Recycling of decaBDE-containing plastic from products or articles and decaBDE-containing products or articles made from such recycled plastic, where no new decaBDE is added during the recycling or production processes.
PIP (3:1)	<ol style="list-style-type: none"> <li>PIP (3:1) for use in hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance where no alternative chemical is available that meets U.S. Department of Defense specification requirements;</li> <li>PIP (3:1) for use in lubricants and greases, PIP (3:1) containing products for use in lubricants and greases, and PIP (3:1)-containing lubricants and greases ;</li> <li>PIP (3:1) and PIP (3:1)-containing products for use in new and replacement parts for motor and aerospace vehicles, the new and replacement parts to which PIP (3:1) has been added for such vehicles;</li> <li>PIP (3:1) and PIP (3:1)-containing products for use as an intermediate in a closed system to produce cyanoacrylate adhesives;</li> <li>PIP (3:1) for use in specialized engine air filters for locomotive and marine applications, PIP (3:1) containing products for use in specialized engine air filters for locomotive and marine applications;</li> <li>Plastic for recycling from products or articles;</li> <li>Finished products or articles made of plastic recycled from products or articles containing PIP (3:1), where no new PIP (3:1) was added during the production of the products or articles made of recycled plastic.</li> </ol>
HCBD	<ol style="list-style-type: none"> <li>Unintentional production of HCBD as a byproduct in the production of chlorinated solvents;</li> <li>Processing and distribution in commerce of HCBD for burning as a waste fuel.</li> </ol>

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