



## **PVC TECH CORP COMPLIANCE SUMMARY - 2011**

### **CPSIA (Consumer Product Safety Improvement Act) – HR4040**

The Consumer Product Safety Improvement Act (CPSIA) was written to improve the current statute of the Consumer Product Safety Act. It was enacted “to establish consumer product safety standards and other safety requirements for children’s products and to reauthorize and modernize the Consumer Product Safety Commission.”

This is a landmark regulation that covers many children’s products from books to clothing to toys and everyday items manufactured and marketed for children’s use.

Further, it may also cover any product whose appearance and size appeals to a child even while it is not labeled or claimed by the manufacturer to be a child’s product. Labeling must be consistent with use and the CPSC reserves that the determination still depends on factual information specific to each product under review.

Under the CPSIA, the films we produce targeted for later use in the manufacture of children’s products have been subject to the following requirements:

#### **1) Lead In Substrate Compliance**

The CPSIA introduces the following limits for lead in substrate:

August 14, 2009: Limits Total Lead Content to 300ppm for products manufactured after February 10, 2011  
General Certificate of Conformity and Accredited Third Party Test will not be required till Feb. 10, 2011 due to an extension on the Stay of Enforcement

August 14, 2011: Limits Total Lead Content to 100 ppm (if technologically feasible)  
General Certificate of Conformity and Accredited Third Party Test required at that time.

Test Method: CPSC-CH-E1002-08  
Standard Operating Procedure for determining Total Lead in Non-Metal Children’s Products.  
<http://www.cpsc.gov/ABOUT/Cpsia/CPSC-CH-E1002-08.pdf>



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#### 2) Phthalates Compliance

The following phthalate limits are applicable to plasticized component parts of a children's product or article as defined by the CPSIA:

CPSIA (HR 4040) GROUP 1		
<b>BBP</b>	<b>(Benzyl Butyl Phthalate)</b>	Banned in <b>ALL</b> toys and childcare articles For <b>children up to 12 Years</b> of age Limit set of 0.1% concentration per phthalate per plasticized component of each product. Permanent Ban
<b>DBP</b>	<b>(Dibutyl Phthalate)</b>	
<b>DEHP</b>	<b>(Di-(2-ethylhexyl) Phthalate)</b>	

CPSIA (HR 4040) GROUP 2		
<b>DIDP</b>	<b>(Diisodecyl Phthalate)</b>	Banned from use in <b>ALL</b> toys and childcare articles intended <b>for children under three (3) yrs of age that can be put in children's mouths</b> Limit set of 0.1% concentration per phthalate per plasticized component of each product. Interim Ban
<b>DINP</b>	<b>(Diisononyl Phthalate)</b>	
<b>DnOP</b>	<b>(Di-n-octyl Phthalate)</b>	

The General Conformity Certificate and Accredited Third Party Test has been given an extended Stay of Enforcement and will NOT be required until 90 days after the Commission issues notices of accreditation of laboratories for testing. Nonetheless, phthalate content must still meet regulation requirements.

Test Method: CPSC-CH-C1001-09.3 Standard Operating Procedure for Determination of Phthalates.  
<http://www.cpsc.gov/about/cpsia/CPSC-CH-C1001-09.3.pdf>



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#### **What are phthalates anyway?**

Phthalates are esters of phthalic acid primarily used as plasticizers. It is most commonly added to soften Polyvinyl Chloride (PVC) polymer though its use is not limited to this.

#### **Do ALL plastics contain phthalates?**

No, they do not. Phthalates are more commonly found in flexible PVC products signified by the SPI marking below.



V / PVC

**PVC**  
Some Type 3 Plastics  
may leach Phthalates

\*The Society of Plastics Industry (SPI) marking is used to identify a product for recycling and does NOT indicate product bearing this mark automatically contain phthalates.

Rigid plastics do not normally contain phthalates.

#### **PVC Tech Corp and the CPSIA**

No, we don't make toys or children's products, but our films are often used as components of final products manufactured and marketed for children.

We carry a range of CPSIA compliant flexible materials complete with the required independent third party test reports certifying test results to both lead in substrate and phthalate restrictions under this regulation. Our Rigid materials do not typically use phthalates as certified by our manufacturers.

The Consumer Product Safety Commission (CPSC) requires Third Party Testing and General Conformity Certification for children's products based on a "per product category" schedule issued by the statute.



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That is, once the CPSC issues the laboratory requirement for a certain category of children's product, any child's product within that category manufactured more than ninety days after that date of issuance must be tested to those requirements.

As a component supplier, we furnish third party tests and conformity certificates for our materials *immediately*- even while component testing has not been made mandatory for end use manufacturers.

Since we cannot often foresee what category of product our material becomes a part of, availability of these tests gives our customers peace of mind and the assurance that our phthalate free films are safe to use for child product applications regulated by the CPSIA.

All tests are furnished by independent and/or CPSIA accredited labs only (if accredited labs are available due to the CPSC process) and are furnished upon request.