The First Supply Chain Security Verification Service Organization in China Established in Shanghai — The Opening Ceremony of CCIC-GSV Center held in Shanghai

On 25 September 2008, the Opening Ceremony of the China Certification & Inspection Group Global Security Verification Center (CCIC-GSV Center) jointly established by China Certification & Inspection Group Co., Ltd (CCIC) and Intertek was held in Shanghai. This establishment signifies the naissance of the first third party supply security verification service organization in China. CCIC and Intertek will work together to provide localized supply chain security verification service to companies both at home and abroad and facilitate the globalization process of large scale import and export trade.

Since the terrorist acts in 11 September 2001, the U.S. Customs and Border Protection (CBP) introduced Custom Trade Partnership Against Terrorism (C-TPAT), and raised security management requirements for the Global supply chain. At the same time, many international and regional organizations adopted standards to protect the safety and efficiency of global trade and transportation. In today's rapid development of trade globalization, it is very difficult for governments to execute complete, systematic and convenient monitoring and control on the large scale import and export trade and the related supply chain. To solve this problem, CCIC and Intertek, collaborated in the development of the CCIC-GSV Center, which provides supply chain security verification service in China and enhances capability of China's export transportation and storage, furthermore, it will help manufacturers to increase anti-terrorist self-awareness and security management levels and expedite the process of cargo import and export trade activities.

A company can apply for GSV (Global Security Verification) on a voluntary basis and obtain GSV certification by passing the official verification to demonstrate their efforts and achievements in supply chain security management. The CCIC-GSV Center will use international advanced verification process, requirements and criteria in fulfilling the services. All applicants can apply online, and the verification results will be published in both written form and online. The report and certificate will have the same force for different products and service purchasers, which can avoid repeated (i.e. multiple) verifications and reduce cost.

CCIC and Intertek, collaborated in the development of the CCIC-GSV Center, which provides supply chain security verification service in China and enhances capability of China's export transportation and storage, furthermore, it will help manufacturers to increase anti-terrorist self-awareness and security management levels and expedite the process of cargo import and export trade activities.
All professionals performing the verification are well trained by the CCIC-GSV Center. Each expert performing the verification is required to pass the examination to ensure effectiveness and authority of the verification process. Currently, there are an estimated 4,000 companies which have obtained GSV certificates.

Mr. Qinfa Meng, the President of CCIC said, “At present, supply chain security and anti-terrorism are two crucial issues not only for the U.S. and the European countries, but also for China. The establishment of the CCIC-GSV Center will strongly enhance the anti-terrorism and security management of Chinese companies. Moreover, it ensures made-in-China products enter the international market smoothly to enhance both reputation and image. Furthermore, CCIC has also received support from the Chinese government for its GSV program in China.”

Dr. Wolfhart Hauser, CEO of Intertek said, “Intertek is honored to partner with CCIC to implement the Global Security Verification programme (or ‘GSV’) in China. We are pleased to bring our experience and insight from running successful GSV programmes in the U.S. and in Europe to the benefit of Chinese manufacturers and exporters. The GSV programme further helps companies with these pressures. It will assist more local companies to get security certifications and incorporate supply chain security and risk control into business operations.”

About CCIC
China Certification & Inspection (Group) Co., Ltd (CCIC) is so far the only transnational inspection, surveying, certification and testing company entitled with “China” in China, which is approved by the State Department and registered with the State Administration for Industry & Commerce. The founding of CCIC is a critical step for China to implement commercial testing company system reform raised by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China and the Certification and Accreditation Administration of the People's Republic of China.

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Intertek Taiwan Signs MOU with the Development Center for Biotechnology

Intertek Taiwan has signed a Memorandum of Understanding with the Development Center for Biotechnology (DCB) to develop and enhance the technical analysis and testing of technology for Chinese herbal medicine and health food in August 2008.

DCB, a non-profit organization supported by the Taiwan Government, is set up to shape and develop Taiwan's biotechnology industry. Currently, with around 400 employees, their R&D focuses on drug substances, small-molecule drugs, Chinese herbal medicines, and environmental biotechnology.

Intertek Taiwan has been actively engaged in researching local biotech industries and developing innovative testing capabilities for Chinese herbal medicine and health foods. Through the cooperation and combining strengths of both parties, they can enhance the competitiveness of relevant products, shortening their time to market, and help Taiwan's biotech companies enter the global market more quickly.

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CPSIA - Preemption and Exemption Update

Federal preemption means if a federal standard is in effect and applies to a particular risk of injury, and a state standard deals with the same risk, then the state standard is preempted. CPSIA is intended to preempt individual state laws, such as requirements of lead paint, lead content, phthalates, ATVs and the standard ASTM F963-07 as well.

Here is the List of states having expressed their positions of the implementation of their state requirements:

<table>
<thead>
<tr>
<th>State</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>As of 1 January 2009, it will be illegal to sell, distribute, or manufacture toys and child care articles in California with greater than 0.1% of six specified phthalates, regardless of when or where the products were manufactured. The effective date of the CPSIA phthalate prohibition does not affect the implementation of California’s phthalate restrictions.</td>
</tr>
<tr>
<td>Maryland</td>
<td>The Lead-Containing Children’s Products Prohibition Act (HB 62) approved in May was withdrawn. Maryland is reviewing the state legislation to see what changes need to be made to make it consistent with the federal law. Any changes will be made during the 2009 session of the General Assembly, January-April 2009.</td>
</tr>
<tr>
<td>Massachusetts</td>
<td>The Department of Public Health of Massachusetts has announced to withdraw the “Ban on Leaded Toy Jewelry Regulations” which was approved in March 2008 and will follow the Federal Public Law 110-314 (CPSIA).</td>
</tr>
<tr>
<td>Washington</td>
<td>Department of Ecology has elected not to pursue an exemption from the preemption and withdrawn the lead, phthalates and cadmium requirements in the Children’s Safe Product Act of Washington. However, the dept will continue to develop a list of Chemicals of High Concern for Children (CHCC).</td>
</tr>
</tbody>
</table>

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FAQ on US Consumer Product Safety Improvement Act

The US Consumer Product Safety Commission (CPSC) has published more answers to FAQs with regards to the Consumer Product Safety Improvement Act (CPSIA). Below are some of the key points.

1. The ban on the six specified phthalates in section 108 of the CPSIA only applies to products that are manufactured on or after 10 February 2009.

2. The 0.1% limit for the six banned phthalates applies to each individual phthalate, not the total amount of these phthalates in the product.

3. In order to provide additional guidance, CPSC will be evaluating the determination of children’s toy for the purposes of compliance with the phthalates limit. In the interim, the Commission staff plans to use the definition
of toy in the ASTM F963-07 toy standard for guidance.

4. If a cosmetic material is included in a toy set, it is required to meet the requirements of the phthalates ban. However, cosmetics in general when not packaged with a toy, are not covered by the section 108 prohibitions and fall under the jurisdiction of the Food and Drug Administration (FDA).

5. An unbanned phthalate or an alternative plasticizer that is not one of the banned phthalates may be used in a children’s toy or child care article. However, manufacturers are still responsible for ensuring that children’s products are not considered “hazardous” under the general requirements of the Federal Hazardous Substances Act (FHSA).

6. Life jackets are not consumer products, they would not be considered as “children’s products” or “children’s toys” under the CPSIA and would not be subject to CPSIA requirements applicable to children’s products. However, toy versions of life jackets or flotation devices like “water wings” do fall within the CPSC’s jurisdiction.

7. Shoes and socks are not considered to be children’s toys or child care articles.

8. Pool toys, beach balls, blow up rafts, and inner tubes designed or intended for children 12 years of age or younger would be considered children’s toys and subject to the phthalates ban.

9. Children’s toys and child care articles manufactured on or after 10 February 2009, will need a general conformity certification to certify its compliance with the phthalates ban based on a “test of each product or a reasonable testing program”. Starting in September 2009, children’s toys and child care articles will have to be certified based on third-party testing of the product by accredited third-party laboratories.

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U.S. Environmental Protection Agency (EPA) Initiates Formaldehyde Emission Regulation

The US Environmental Protection Agency (EPA) has initiated a proceeding to study regulating formaldehyde emission from products covered by the California Air Resources Board (CARB), Airborne Toxic Control Measure (ATCM) and other pressed wood products.

EPA decided to initiate a proceeding to investigate whether and what type of regulatory or other actions might be appropriate to protect against risks posed by formaldehyde emitted from products covered by the CARB and ATCM, as well as other pressed wood products.

On 24 March 2008, EPA received a petition from 25 organizations and around 5,000 individuals for adopting the California regulation nationally to protect against risks from exposure to formaldehyde in composite wood products (hardwood plywood, particleboard, and medium density fiberboard).

EPA was urged to assess and reduce the risks posed by formaldehyde emissions and to extend the California regulation to include composite wood products used in manufactured homes which were not covered by ATCM (The ATCM does not apply to hardwood plywood and particleboard materials when installed in manufactured homes subject to regulations promulgated by the US Department of Housing and Urban Development).

About Formaldehyde

Formaldehyde is a sensitizing agent that can cause an immune system response upon initial exposure. Ingestion of formaldehyde can be fatal and long-term exposure in the air or on the skin can cause respiratory problems and skin irritation. It is commonly used as adhesives in the production of particle board and plywood. It is also widely used as an industry fungicide, germicide and disinfectant.

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Toys – New Revisions to EN 71-1 and EN 71-2 Are Harmonized

The latest revisions of EN 71-1:2005 +A6:2008 and EN 71-2:2006+A1:2007 are now harmonized and offer a presumption of conformity to the EU Toys Safety Directive, after their references were published in the Official Journal. EN 71-1:2005+A6:2008 includes amendment A5, as recently covered in Sparkle Volume 398. For ease of reference, the main changes in both standards are shown below.

Compliance with the superseded EN 71-1:2005+A4:2007, which did not include amendments A5 and A6, only offers a presumption of conformity until 30 November 2008.

Small balls
- “Small balls” now includes those spherical, ovoid or ellipsoidal objects that are “usually but not always” designed or intended to be thrown, hit, kicked, rolled, dropped or bounced. The phrase “usually but not always” has been added to include balls and ball-like objects that were previously excluded because of their use, but whose shape could still pose a choking hazard.
- Ball-shaped parts of a toy, ball-shaped containers and multi-sided objects comprising at least 48 connected planes in a generally spherical, ovoid or ellipsoidal shape are also regarded as balls.
- Tethered balls may still pose a choking hazard and shall not protrude more than 30 mm through the small balls gauge.
- The specific small balls warning under clause 7.18 has now been replaced by the general warning for toys not suitable for children under 36 months of age (clause 7.2). This clause requires an indication of the hazard to accompany the age warning. Often the hazard is given as “small parts”, but where appropriate “small balls” should be listed.

Points and metallic wires
- Metallic wires that are not designed to be bent, but are likely to be bent occasionally or accidentally during play (e.g. antennas) now undergo only 1 flexing cycle.
- Metallic wires and other metallic components that are designed and intended to be bent are subjected to the same 30 flexing cycles as before.
- Wires with U- or L-shaped cross-sections (e.g. umbrella spokes) are not covered by the flexing test.

Toys containing a non-electrical heat source
- Electrical heat sources in toys are covered now by EN 62115.
- Accessible parts of glass or porcelain that are not likely to be touched shall have a maximum temperature rise of 50 K (previously 55 K).

Hemispheric-shaped toys
- Tea set cups and other objects intended for drinking now have to comply with the ventilation and other requirements for hemispheric-shaped toys. The former exemption has been deleted.

Tip over test (large and bulky toys)
- The tip over test is now applied with a maximum horizontal force of 120 N and at a height up to 1.5 m.

The unamended EN 71-2:2006 no longer offers a presumption of conformity.

Soft-filled toys
- Soft-filled with a maximum dimension greater than 520 mm are now tested to the same method as smaller toys.

Flowing elements of toys to be worn on the head (except those covered by clauses 4.2.2 and 4.2.3), hoods, headdresses etc
- Where no washing instructions are provided, those toys likely to be washed are soaked three times in tap water before testing.

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2 Bills in New York State Approved

The Governor of the New York State of the USA signed to approve the bills of “Prohibition of yo-yo waterball toys” and “Children’s Product Safety and Recall Effectiveness Act of 2008” on 5 September 2008.

Prohibition of Yo-yo Waterball Toys
With effective from 4 December 2008, the prohibition of the sale, importation, manufacturing or distribution of the yo-yo waterball toys will be imposed. According to the act, yo-yo waterball toy means a yo-yo waterball, water yo-yo, or any similar toy made of rubber or rubber-like material consisting of ball that is filled with liquid and attached to an elastic cord with a finger loop at the end.

Children’s Product Safety and Recall Effectiveness Act of 2008
This legislation prohibits the sale of recalled toys and other children’s products in New York State and requires the sellers of children’s products notify consumers of such recalls. The current law does not prohibit the sale or distribution of children’s products or durable juvenile products that have been recalled by the Consumer Product Safety Commission (CPSC), nor is there a requirement for labeling of children’s products or durable juvenile products.

Highlights of “Children’s Product Safety and Recall Effectiveness Act of 2008”
- With effective from 4 March 2009
  The manufacturers of durable juvenile products distribute, sell or otherwise make available in New York State, must include a product safety owner’s card at the time of original purchase by consumers. The product safety owner’s card shall include a statement indicating that the information shall not be used for any purpose other than to facilitate a recall or safety alert regarding the product.
- With effective from 1 July 2009
  Children’s product and durable juvenile product or its packaging shall have label indicating the manufacturer’s and importer’s name and contact information, and the lot/batch numbers of the product; and prohibit sellers from obscuring the required label. It is illegal for retailer to sell or otherwise make available a children’s product and durable juvenile product that does not contain an appropriate label. Nevertheless, such products which are ordered or in stock prior to the effective date can be sold through a period of 6 months from the effective date (31 December 2009).

The Purpose of the Act
- “Product safety owner’s card” - a standardized product identification card that requests the initial consumer to provide to the manufacturer the name, address and other information by which the initial consumer may be contacted.
- “Children’s product” - a toy or other article, other than clothing, intended for use by a child under the age of 14 year-old.
- “Durable juvenile product” - the following products intended for use, or that may be reasonably expected to be used by children under the age of 5 year-old:
  - Cribs;
  - Toddler beds;
  - Car seats;
  - High chairs, booster chairs, and hook-on chairs;
  - Bath seats;
  - Gates and other enclosures for confining a child;
  - Playpens;
  - Stationary activity centers;
  - Strollers;
  - Walkers;
  - Swings;
  - Child carriers;
  - Bassinets and cradles; and
  - Other similar durable juvenile products designed for children as shall be specified in regulations promulgated by the CPSC.

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The Governor of the state of California signed to approve a bill on 29 September 2008 which authorized the Department of Toxic Substances Control (DTSC) to take specified measures to enforce compliance with existing prohibitions of lead in jewelry and of packaging containing regulated metals (e.g., lead, mercury, cadmium, or hexavalent chromium).

For Lead in Jewelry
The act expands the testing protocols and requires that the test methods selected be those that best demonstrate they can achieve total digestion of the sample material being analyzed. Test methods would be prohibited from use if they are inconsistent with the specified application of the test method or do not demonstrate the best performance or proficiency for achieving total digestion of the sample material. The act also revises the definition of “jewelry” for purposes of those prohibitions and additionally prohibits a person from offering for promotional purposes jewelry, including children’s jewelry, body piercing jewelry, and jewelry placed in the mouth for display or ornament, for retail sale or promotional purposes in the state unless it is made entirely from the specified materials.

Changes in Definition of “Jewelry”
1. Amended 25214.1(h)(1)(H): changed from “Decorated hair accessories” to “Hair accessory”.
2. Added 25214.1(h)(1)(N): “Jewelry placed in the mouth for display or ornament”.
3. Added 25214.1(i)(3): A charm, bead, chain, link, pendant, or other attachment to shoes or clothing that can be removed and may be used as a component of an ornament specified in paragraph (1).
4. Added 25214.1(i)(4): A watch in which a timepiece is a component of an ornament specified in paragraph (1), excluding the timepiece itself if the timepiece can be removed from the ornament.

For Packaging
The act revises the definitions of “package” and exempts a person who offers for retail sale or promotional purposes a product in a package or a packaging component from administrative or civil penalties if the person makes a specified demonstration.

Changes in Definition of “Package”
“Package” does not include a reusable bag, as defined in subdivision (d) of Section 42250 of the Public Resources Code.

“Reusable bag” means either of the following:
1. A bag made of cloth or other machine washable fabric that has handles.
2. A durable plastic bag with handles that is at least 2.25 mils thick and is specifically designed and manufactured for multiple reuse.

Two other bills were also signed to reduce or eliminate hazardous chemicals in consumer products and the environment
1. AB 1879
   a. By 1 January 2011, the Department of Toxic Substances Control (DTSC) is authorized to develop regulations that create a process to identify and prioritize those chemicals or chemical ingredients in consumer products that may be considered as being a chemical of concern and to create methods for analyzing alternatives to existing hazardous chemicals. DTSC may take certain actions following an assessment that range from “no action” to “restrictions or bans.”
   b. The new act also establishes a Green Ribbon Science Panel made up of experts to provide advice on scientific matters, chemical policy recommendations and implementation strategies, as well as ensuring implementation efforts which are based on a strong scientific...
2. **SB 509**

By 1 January 2012, the Department of Toxic Substances Control (DTSC) shall establish an online (web-based database) “Toxics Information Clearinghouse” for the collection, maintenance, distribution of specific chemical hazard traits and environmental and toxicological end-point data, to increase consumer knowledge about the toxicity and hazards of thousands of chemicals used in California every day.

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**Taiwan Bans Di-n-octyl Phthalate in Cosmetic Products**

The Department of Health of Taiwan has announced to prohibit the use of Di-n-octyl phthalate (CAS Number: 117-84-0) in cosmetic products by taking the following measures:

1. Adding of Di-n-octyl phthalate to the list of prohibited cosmetic ingredients;
2. Prohibiting the importation, manufacture, sale or offer for sale any cosmetics containing Di-n-octyl phthalate on and after 1 May 2009.

According to the Statute for Control of Cosmetic Hygiene (Paragraph 1, Article 23), cosmetics or cosmetic colourants that are detrimental to human health shall be prohibited to be imported, manufactured, distributed or placed on the Taiwan market. Existing certified cosmetic product containing this ingredient shall be filed an amendment for reformulation. Failure to comply will result in a non-renewable termination upon its certification expiration date.

**Chemical Structure:**

![Di-n-octyl Phthalate](image)

The following acute and chronic health effects may occur after exposure to Di-n-octyl Phthalate:

- Eye contact may cause irritation.
- Repeated skin contact could cause dryness, cracking and rash.
- Breathing the vapor may irritate the nose, throat and bronchial tubes. Higher levels can irritate the lungs, causing damage.
- Prolonged overexposure may damage the kidneys and liver.

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**Remarks:**

Di-n-octyl Phthalate is a colourless, oily liquid. It is used as a plasticizer in the manufacture of plastic products. It is also commonly used as a kind of fixative in personal care products such as nail polish, perfume, hair gel and shower gel. Exposure to chemical can disrupt the endocrine system and lead to feminization.

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**First 15 SVHC Candidate List Published**

The European Chemical Agency (ECHA) has formally included 15 substances identified as Substances of Very High Concern (SVHC) in the candidate list of authorization and the 15 SVHC list has been published on ECHA website (http://echa.europa.eu) on 28 October 2008. The list of these 15 SVHC and possible applications are shown below:
## The List of 15 SVHC

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>EC No.</th>
<th>Substance</th>
<th>Possible Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-77-9</td>
<td>202-974-4</td>
<td>4,4’- Diaminodiphenylmethane</td>
<td>Curing agent for epoxy resin in PCB, preparation of PU, azo dyes in garments</td>
</tr>
<tr>
<td>81-15-2</td>
<td>201-329-4</td>
<td>5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)</td>
<td>Cosmetics and soap perfumes</td>
</tr>
<tr>
<td>85535-84-8</td>
<td>287-476-5</td>
<td>Alkanes, C10-13 chloro (short chain chlorinated paraffins)</td>
<td>Leather coating, plasticizer in PVC and chlorinated rubber, flame retardant in plastic &amp; textiles</td>
</tr>
<tr>
<td>120-12-7</td>
<td>204-371-1</td>
<td>Anthracene</td>
<td>Source of dyestuff</td>
</tr>
<tr>
<td>1303-28-2</td>
<td>215-116-9</td>
<td>Diarsenic pentaoxide</td>
<td>Insecticides, weed killer, wood preservatives, coloured glass, dyeing and printing</td>
</tr>
<tr>
<td>1327-53-3</td>
<td>215-481-4</td>
<td>Diarsenic trioxide</td>
<td>Weed killers, timber preservatives, manufacture of special glass</td>
</tr>
<tr>
<td>117-81-7</td>
<td>204-211-0</td>
<td>Bis(2-ethylhexyl) phthalate (DEHP)</td>
<td>Plasticizer for resin, PVC, blister</td>
</tr>
<tr>
<td>56-35-9</td>
<td>200-268-0</td>
<td>Bis(tributyltin)oxide</td>
<td>Pesticide, fungicide in paint</td>
</tr>
<tr>
<td>85-68-7</td>
<td>201-622-7</td>
<td>Butyl benzyl phthalate</td>
<td>Plasticizer for resin, PVC, acrylics</td>
</tr>
<tr>
<td>7646-79-9</td>
<td>231-589-4</td>
<td>Cobalt dichloride</td>
<td>Moisture indicator in silica gel, absorbent</td>
</tr>
<tr>
<td>84-74-2</td>
<td>201-557-4</td>
<td>Dibutyl phthalate</td>
<td>Plasticizer, in adhesives and paper coatings; insect repellent for textiles</td>
</tr>
<tr>
<td>25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)</td>
<td>247-148-4 and 221-695-9</td>
<td>Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α-HBCDD, β-HBCDD, γ-HBCDD)</td>
<td>Flame retardant used in HIPS and textiles</td>
</tr>
<tr>
<td>7784-40-9</td>
<td>232-064-2</td>
<td>Lead hydrogen arsenate</td>
<td>Insecticides</td>
</tr>
<tr>
<td>7789-12-0</td>
<td>234-190-3</td>
<td>Sodium dichromate</td>
<td>Chrome-tanning of leather, corrosion inhibitor in paints, mordant in textile dyeing process</td>
</tr>
<tr>
<td>15606-95-8</td>
<td>427-700-2</td>
<td>Triethyl arsenate</td>
<td>Intermediates for semi-conductor</td>
</tr>
</tbody>
</table>

The placement on the candidate list triggers new duties for producers, importers and suppliers of articles, preparations and substances with immediate effect.

Suppliers of articles are required to provide to the customers and consumers available information on the safe use of the articles containing substances in the “Candidate List” exceeding 0.1%. Besides, producers and importers of articles that contain these substances will, under certain conditions, have an obligation to notify...
the European Chemicals Agency (ECHA) starting from 1 December 2011.

Suppliers of substances on the Candidate List have to provide their customers with a safety data sheet (SDS).

Suppliers of preparations not classified as dangerous according to Directive 1999/45/EC have to provide the recipients, at their request, with a SDS if the preparations contain at least one substance on the Candidate List and its individual concentration is at least 0.1% (w/w) for non gaseous preparations and at least 0.2% by volume for gaseous preparations.

The possible applications of these SVHC indicate that the substances may be found in most commercial products of many industries, such as toys, furniture, textiles, garments and footwear, cosmetics, and electrical and electronics. While some of these substances are banned in certain industries, they may still be used in packaging materials which are considered articles within the scope of REACH. A good example includes the use of phthalates in PVC. The three listed phthalates were banned in toys and children articles, but are still commonly used in print of garments, wires of electrical and electronic products, and in plastic bags and blisters of packaging.

**SVHC Screening and Quantitative Tests**

To help identify the presence of SVHC in both preparations and articles, Intertek has developed methods in screening and verifying components for high risk chemicals, including the use of XRF, ICP and GC-MS techniques. The SVHC screening test provides a cost-effective alternative to demonstrating that products are in compliance with the SVHC Supply Chain Communication requirements. When necessary the quantitative test on SVHC may also be performed to ascertain the accurate concentration of SVHC in products.

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**Infant Clothing Product Standard FZ/T 81014 First Enacted in 2008**

In order to strengthen the quality supervision of infant clothing products and enhance the companies’ awareness of the safety and quality of infant clothing, the National Development and Reform Commission approved and published FZ / T 81014-2008 Infant Clothing on 23 April 2008. The standard shall become effective from 1 October 2008, and applies to all woven clothing and suits for infant under 24 months.

The standard stipulates the technical characters for infant clothing, including terms and definitions, size specification, requirements, testing method, inspection rules as well as marks, packaging, transport and storage. The main testing items are appearance evaluation, dimensional stability after washing, colourfastness to washing, colourfastness to saliva, colourfastness to perspiration, colourfastness to water, colourfastness to rubbing, strap attachment test, component attachment, leachable heavy metal, fiber content, formaldehyde content, pH value, banned aromatic amines and odor etc.

Furthermore, the warning of DO NOT DRY CLEAN must be shown on the label in addition to the compliance with GB 5296.4 & GB 18401. Any stuffed products under this standard are also subjected to GB18383 General Technical Requirements for Products with Filling Materials.

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On Tuesday, 25 November 2008, Intertek had a Collaboration agreement in Hong Kong with KasehDia Sdn Bhd of Malaysia and the International Halal Integrity Alliance (IHIA). The collaboration agreement was culminated from years of hard work between Intertek and KasehDia. As a result, the first standardized Global Halal Certification was established to provide a worldwide acceptable Halal certification program.

Despite the immense demand of Halal certified products around the globe, the challenge of unifying a certification system accepted among Muslim and non-Muslim countries around the world remains. Therefore, with Intertek’s years of proven experience in testing, inspection, auditing and certification services in various industries and our great partners’ high proficiency in Islam principles, specifically on religious requirements on Halal products and services, collaborated to create the first in the world - a standardized and worldwide acceptable Halal certification system called the Global Halal Certification.

This Global Halal Certification is a gateway for further development of the Halal industry intended towards an array of manufacturers, retailers and consumers. The certification program is aligned with today’s evolving standards and industry requirements founded on major pillars, namely, Halal Management System, HACCP Implementation, Corporate Social Responsibility and Environmental Compliance.

As the backbone of Global Halal Certification, Intertek has collaborated with two key partners, KasehDia and IHIA Alliance.

KasehDia, a company incorporated in Malaysia, engages in private initiatives — for the purpose of promoting the image and understanding of Islam, specifically on Halal products and services.

IHIA Alliance is a global halal organization, a non-profit foundation based in Malaysia, providing GHS certification (Global Halal Standard certification) which will be used to certify that a product or service attains the globally recognized Halal standard. IHIA Alliance was formed following a resolution passed by international delegates at the World Halal Forum in May 2006.

By mutually collaborating Intertek’s certification management system of ISO/IEC Guide 65: 1996 and ISO 17021:2006, KasehDia’s dedication to Islamic concepts and IHIA Alliance’s worldwide recognized Global Halal Certification, we are building an internationally recognized and widely accepted program, the Global Halal Certification.

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New Achievement - Intertek Thailand Gains an Exclusive Agreement to Support ICRIC’s Halal Project

Intertek Thailand made great strides within the world of Halal by signing a MOU of cooperation with Islamic Chamber Research Information Center (ICRIC).

ICRIC is responsible for promoting intra-organizational and regional convergences among Member States of the Islamic Chamber. ICRIC has identified a lack of commercial opportunities, code of trade, potential partners, and a deficiency of proper fields to invest state members as a real problem. The ICRIC plans to address the negative effect this shortage has had on the collaboration of economic, commercial, and industrial fields within Islamic communities.

Intertek Thailand foresees a potential market in Halal businesses as Muslims occupy an estimated one third of the world’s population. Consumers are willing to spend their money on products that display the “Halal” label. Halal covers a wide variety of products used in everyday life such as toiletries, personal care items, pharmaceuticals, health supplements, and clothing.

The MOU was signed during the 6th Conference of the OIC Task Force on Small & Medium Sized Entrepreneurs (SMEs) held on 15-17 August 2008 in Thailand. Intertek Thailand was the only service provider allowed to present to the representatives and senior managers of 24 Islamic countries. According to the MOU, Intertek Thailand will work on behalf of the Thai Islamic Trade & Industry Association in providing all Halal services such as system audits, product testing, training and technical assistance.

ICRIC representatives toured Intertek’s Thailand facility and found Intertek quite capable of handling their needs. Intertek’s global reach through local support offers endless opportunities to expand into various markets including the Halal market.

For more information, please contact:
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E-mail: labtest.thailand@intertek.com
Contact: Mr. Pitak Supanantakarn - General Manager

Intertek Appointed as Major REACh-Solution Partner by German Retailer Associations

We are pleased to announce that Intertek, a leading provider of quality and safety solutions serving a wide range of industries around the world, has signed the contract with Chemical Services Compliance GmbH (hereafter as ‘CSC’), founded as JV by BHB (Federal Association of ‘Do-It-Yourself’ Retailers) and HDE (Central Association of German Retailers), as the Major REACh-Solution Cooperation Partner.

Under the Cooperation Partner contract, Intertek Germany and Intertek Group are appointed by CSC as their exclusive cooperation partners of REACh-Solution for the services below:
• Support services for Pre-registration
• Knowledge Management (Help Desk and FAQ)
• Training Provider via on-site Seminars or web supported E-Learning

Meanwhile, CSC has also appointed Intertek as a service provider for the following services:
• Expert Check of Material Data
Document review of data submitted by suppliers, such as safety data sheet, material composition list
• Verification / Validation of Material Data
Verification / Validation of Data formulation and composition by testing or on-site inspection
Intertek Eco-Certification helps manufacturers review and remove any use of or contamination of restricted hazardous substances in products that are targeted to achieve a high level of ecological requirement and chemical compliance. The certification scheme comprises two parts: on-site factory evaluation and random product testing. Intertek will work with manufacturers to evaluate all chemical applications in the related manufacturing processes. Random sample testing acts as a further verification step.

The implementation for Intertek Eco-Certification consists of four standard procedures: application, factory evaluation and sampling, testing, and certification. A pre-evaluation service is introduced to all the potential factories before factories submit the application. Through a questionnaire review it can be determined whether factories are ready to start the certification process or more preparation is needed. Intertek will suggest improvement measures for the latter.

To learn more about Intertek’s Eco-Certification program and to understand how your company can get started, please contact us directly at eco-certification@intertek.com

Intertek Tested Mark for Chemical Certification Available Now

With more and more green legislations being passed in various countries worldwide paired with an evident rise in safety and environmental requirements demanded for consumer products, the safety of chemicals and their impact on the environment has become absolutely crucial. Intertek helps chemical manufacturers and distributors adapt to this growing concern by offering the essential solution – the Intertek Tested Mark – Chemical Certification Scheme.

Based on a multitude of environmental protection requirements for consumer products in international markets, chemicals used during

Intertek Tested Mark for Chemical Certification Available Now

With more and more green legislations being passed in various countries worldwide paired with an evident rise in safety and environmental requirements demanded for consumer products, the safety of chemicals and their impact on the environment has become absolutely crucial. Intertek helps chemical manufacturers and distributors adapt to this growing concern by offering the essential solution – the Intertek Tested Mark – Chemical Certification Scheme.

Based on a multitude of environmental protection requirements for consumer products in international markets, chemicals used during
the manufacturing process of various consumer products need to be thoroughly tested and/or certified to detect any restricted hazardous substances. The testing is referenced to EU Directives 76/769/EEC or other commonly adopted industrial standards.

Chemical suppliers can apply for certification of one or more evaluation items from the following list under the Intertek Tested Mark Chemical Certification Scheme:

- Allergenic Disperse Dyes
- APs and APEOs (inc. NP, NPEO, OP and OPEO)
- Forbidden Flame Retardants
- Chlorinated Benzenes and Toluenes
- Azo dyes
- Extractable Heavy Metals
- Soluble Heavy Metals
- Formaldehyde
- Heavy Metal Total Amount
- Organic Tin Compounds (TBT/DBT/MBT/TPhT)
- Pentachlorophenol and its Salts and Esters
- Phthalates
- Polychlorinated Biphenyls (PCBs)
- PFOS
- Short Chain Chlorinated Paraffins
- PAHs

The program includes both sample testing and evaluation. Chemicals which successfully pass the evaluation(s) are issued a test report and a certificate that is valid for one year. The client is also entitled to use the Intertek Tested Mark – Chemical during the validity of the certification for promotional means and to essentially increase both brand trust and awareness in the marketplace.

To learn more about how your company can engage in the Intertek Tested Mark Chemical Certification Scheme, please contact us directly at eco-certification@intertek.com.

Mauritius hosted a nationally publicized ceremony at the Rajiv Gandhi Science Centre in Port Louis where the Mauritius Intertek Team was presented with an ISO 17025 certificate. The Mauritius laboratory team headed by Vandana Jutton and aided by Yasmine Foyjoo, Amrita Bhajun, Intertek France, and other extraordinary technical experts made it possible for Intertek Mauritius to achieve ISO 17025 accreditation.

Laboratory Accreditation by MAURITAS is a formal recognition that the laboratory is equipped to carry out the testing needed and required by its valued customers. Accreditation to ISO 17025 recognizes that the facility has knowledgeable experts, properly calibrated equipment, suitable laboratories, and is able to provide quality services according to recognized practices and procedures.

ISO 17025 was developed specifically to give guidance to laboratories on both quality management and the technical requirements for proper operation. The accreditation emphasizes the need for continual improvement of management systems and allows for greater focus on customer satisfaction. The achievement of ISO 17025 demonstrates Intertek’s commitment to delivering services of the highest quality to its customers.

Provided below is the Intertek team who made this success possible:

**Intertek’s Mauritius Lab Awarded ISO 17025 Accreditation**

On 29 September 2008, the Mauritius Accreditation Service (MAURITAS) in collaboration with the Government of Mauritius and the Mauritius Intertek Laboratory received the ISO 17025 accreditation for its lab services. The Mauritius laboratory team, led by Vandana Jutton, Yasmine Foyjoo, Amrita Bhajun, and Intertek France, worked together to achieve this significant milestone.

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**Contact:** Ms. Vandana Harroo – Lab Manager
**TISI Visits Intertek Korea**

On 5 September 2008, 8 government officials from the TISI (Thai Industrial Standard Institute ministry of industry), a government agency of Thailand, visited the Seoul laboratory at Intertek to gather information on how Korea companies prepare themselves for RoHS. This visit was to confirm the established regulations of hazardous substances, the analysis of RoHS equipment and quality management systems, with discussions on how Korean companies have reacted to RoHS regulations. One participant, Hathai Uthai, Director of Standard Bureau 2, mentioned that the visit was considerably informative and helpful about Hazardous Substances analysis and reactions to RoHS regulations.

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E-mail: jack.kim@intertek.com
Web site: www.intertek.co.kr
Contact: Mr. Jack Kim - Senior Manager

**Intertek Hosted CPSIA Seminar in Hong Kong**

The Consumer Product Safety Improvement Act (CPSIA) was enacted into law in August 2008. This new law is extremely complex, even for the most seasoned regulatory and quality assurance expert. New certification requirements, phthalate and lead limits, mandatory third-party testing requirements, newly prohibited acts and many other provisions of the law has prompted questions and presented potential pitfalls to manufacturers, importers, private labelers, distributors and retailers of consumer products.

**Intertek Hosts Exclusive Forum on Eco-Products and REACH**

On 24 October 2008, Intertek Eco-Certification Services successfully held an “Eco-Product and REACH Regulations-Intertek Certificated Enterprises Forum” seminar at the Hongqiao Hotel in Shanghai. Wang Jianping, General Manager of Intertek Chinese Marketing Services, and Wang Zhiwu, Chairman of the Chinese Hardware Association were in attendance along with more than 100 representatives of eco-certificated enterprises from all over the country.
Professor Wang Jianping addressed international market ecological laws and regulations at the seminar. Mr. Zhang Yinbi, a chemical engineer, explained what textile enterprises should do to comply with REACH regulations. Ms. Lin Li, Manager of Intertek’s Eco-Certification department, discussed eco-control theories, offered her analysis and answered compelling eco-related questions raised amongst the interested seminar participants.

The seminar received overall high praise from its participants who openly expressed their thoughts on the seminar’s topics to their fellow attendees.

Taitronics Taipei 2008 (Taipei International Electronics Show)

Intertek Taiwan was present at the Taitronics Taipei, Asia’s largest electronics sourcing show, from 7-11 Oct 2008. There were 1,200 exhibitors, occupying 2,600 booths, spreading across four different events — Taitronics 2008, Taipei Summit, Taiwan International RFID Applications Show, and the newly launched Broadband Taiwan show. Overall the event attracted over 50,000 domestic and international visitor’s total.

Special theme zones on future industry trends highlighted this ICT industrial combination show providing networking platforms for strategic business exchanges. Such specialized zones included:
- LED Special Zone
- iF Award-winning Products Zone
- Taiwan Excellent Products Zone
- Green Electronics Zone

Taking this great opportunity to meet existing and potential clients. Intertek Taiwan promoted new testing services for lithium, lithium-ion and lithium polymer cells and batteries under UN transportation regulations, which includes:
- Impact testing
- External short circuit testing
- Overcharge testing
- Forced discharge testing

In addition, Intertek Taiwan also provided global environmental testing and certification services for 3C products, such as REACH, RoHS, PoHS, and Taiwan Greenmark.

For further details of our services, please contact:
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Fax: +886 2 6602 2889
E-mail: queena.chen@intertek.com
eugenia.chao@intertek.com

Intertek Taiwan at TITAS 2008

Intertek Taiwan participated in the Taipei Innovative Textile Application Show (TITAS) from 15 - 17 October 2008. TITAS 2008 sustained the concept of “F4+1 — from Fibers to Fabrics for Fashion plus Functions + Full package services,” and emphasized “healthy,” “bio-friendly” and “hi-tech” textile materials to answer the growing concerns of bio-friendliness. The TITAS alone successfully attracted around 20,000 visitors.

The show set up a special “Eco-textiles Image Area” featuring the latest bio-friendly materials, such as eco-friendly polyester fibers, bio-compatible textile products, textile products made of recycled PET bottles, fibers produced through non-polluting processes, dope-dyed fiber and other innovative materials that help to preserve the environment.
In light of the eco-textiles trend, Intertek Taiwan developed the “Intertek Recycled PET Certification Scheme,” helping suppliers to test their recycled PET products and build greater consumer confidence in purchasing recycled PET textiles with the Intertek Recycled PET Mark. Intertek Taiwan also provides a full scope of eco-textile testing services, including the Restricted Substance Listing (RSL).

For further details of our services, please contact:

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jason.chen@intertek.com

**Exhibition Bulletins (Jan - Apr 2009)**

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<tr>
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<td>Americas</td>
<td>USA - Las Vegas</td>
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<tr>
<td>Americas</td>
<td>USA - Los Angeles</td>
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<td>LACC</td>
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<tr>
<td>Americas</td>
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<td>Material World Miami Beach</td>
<td>MBCC</td>
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<tr>
<td>Americas</td>
<td>USA - New York</td>
<td>American International Toy Fair</td>
<td>JKJCC</td>
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<tr>
<td>Americas</td>
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<td>Americas</td>
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<tr>
<td>Americas</td>
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<td>FHCC</td>
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</tr>
</tbody>
</table>

**Abbreviations:**

- AWE = Asia World Expo
- CIEC = Hong Kong Convention & Exhibition Centre
- HKCEC = Hong Kong Convention & Exhibition Centre
- ICPSHO = International Gift Show
- JKCJ = Jacob Javits Convention Centre
- MP = McCormick Place
- NEC = New Exhibitor Centre
- OCC = Oregon Convention Centre
- SE = Sands Expo
- TV = The Venetian
- VCC = Las Vegas Convention Centre
- MBCC = Miami Beach Convention Centre
- MC = Moscone Centre

Remark: The exhibitions listed above are depended on what we have on hand before publishing. Therefore, Intertek is not responsible for any errors or changes occurred.
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<th>Enquiry</th>
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<td>Workshop: REACH Training Workshop for Commercial &amp; Electrical Product</td>
<td>Jan 16</td>
<td>9:30 am - 5:30 pm</td>
<td>HK Office</td>
<td>HK$1000</td>
<td><a href="mailto:kevin.hy.tsang@intertek.com">kevin.hy.tsang@intertek.com</a></td>
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<tr>
<td>China - Hong Kong</td>
<td>Quality Assurance Seminar for General Textile Testing</td>
<td>Jan 21</td>
<td>9:30 am - 12:45 pm</td>
<td>HK Office</td>
<td>Free</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Functional Textiles - Fact or Fiction</td>
<td>Feb 16</td>
<td>9:30 am - 5:00 pm</td>
<td>HK Office</td>
<td>HK$800</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Workshop: Colour Communication</td>
<td>Feb 26</td>
<td>9:30 am - 5:00 pm</td>
<td>HK Office</td>
<td>HK$800</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
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<td>China - Hong Kong</td>
<td>The Mystery of Wool</td>
<td>Feb 28</td>
<td>9:30 am - 1:00 pm</td>
<td>HK Office</td>
<td>HK$300</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
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<tr>
<td>China - Hong Kong</td>
<td>Wearing Apparel Testing to US and EU: Mandatory Test or Optional Test?</td>
<td>Mar 9</td>
<td>9:30 am - 1:00 pm</td>
<td>HK Office</td>
<td>HK$300</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Quality Assurance Seminar for General Textile Testing</td>
<td>Mar 11</td>
<td>9:30 am - 12:45 pm</td>
<td>HK Office</td>
<td>Free</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Reactive Dyes on Cotton, Disperse Dyes on Polyester - A blessing or a curse?</td>
<td>Mar 23</td>
<td>9:30 am - 1:00 pm</td>
<td>HK Office</td>
<td>HK$300</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Knitwear: Looping Warmth</td>
<td>Mar 28</td>
<td>9:30 am - 5:00 pm</td>
<td>HK Office</td>
<td>HK$800</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Understanding Leather</td>
<td>Apr 20</td>
<td>9:30 am - 1:00 pm</td>
<td>HK Office</td>
<td>HK$300</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>New Fibre - from Commodity to Premium</td>
<td>Apr 25</td>
<td>9:30 am - 1:00 pm</td>
<td>HK Office</td>
<td>HK$300</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
<tr>
<td>China - Hong Kong</td>
<td>Trouble Shooting Workshop in Clothing from Dyeing and Finishing - Perspective:1 Day Workshop</td>
<td>Apr 27</td>
<td>9:30 am - 5:00 pm</td>
<td>HK Office</td>
<td>HK$800</td>
<td><a href="mailto:iris.lai@intertek.com">iris.lai@intertek.com</a></td>
</tr>
</tbody>
</table>

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