



ANALYTICAL INDUSTRIAL RESEARCH LABORATORIES, INC.

November 9, 2007

ICG Holliston
P.O. Box 479
Kingsport, TN 37662

RE: Lab #203858 Pearl Linen

Test Requested: With reference to RoHS Directive 2002/95/EC, and its amendment directives.

Test Method: Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products by Chemical Method

- Determination of Lead & Cadmium by ICP/AAS
- Determination of Mercury by ICP/CV-AAS
- Determination of Hexavalent Chromium by Colorimetric Method
- Determination of PBB and PBDE by GC/MS

Test Results: Please refer to Lab Report #203858

Conclusion: Based on the performed tests on submitted sample, the result complies with the RoHS Directive 2002/95/EC and its subsequent amendments.

Thank you,

ROY R. PATTERSON
Laboratory Director

ANALYTICAL INDUSTRIAL RESEARCH LABORATORIES, INC.

Empire Certification #62034
Georgia-Louisiana Certification #61496
Alabama Certification #46780
Kentucky Certification #96030
Accreditation: NEL AP, LLL AP, 1088097

1550 37TH STREET, NE
 CLEVELAND, TENNESSEE 37312
 (423) 476 - 7766 Fax: (423) 476-7714

Scope of Accreditation:
 Wastewater, Surface Water, Ground Water,
 Drinking Water, Solids, Hazardous Waste, Soils,
 Sediments, and Sludges.

Lab Report 203858

1172
 ICC/Holliston
 Attention: Dan Cochran
 P.O. Box 478
 Kingsport, TN 37662

Date Received 10/25/2007
 Date Sampled None Given
 Time Sampled
 Date Requested 11/6/2007
 Rush Status Normal
 Phone (423) 357-6141
 Extension 2234
 M Fax (423) 357-8840
 Under NELAC Certification
 PO# 101260

Sample Information


Pearl Lamen 106260
Material

Lab Report	203858	Result	MDL	Method	Date	Time	Analyst
	<i>BNA Scan Top 10</i>						
PB Biphenyls	#1	< 0.0015 %	0.0015	8270	10/31/07	20:54	SMI
PB Biphenyl Ethere	#2	< 0.0015 %	0.0015	8270	10/31/07	20:54	SMI
<i>Stratigite Colloid and therefore recovery not applicable</i>							
	Letter of Explanation	0	N/A	N/A			RRP
	Cadmium (Cd)	< 0.2 mg/Kg	0.2	6010	10/26/07	16:27	IFH
	Lead (Pb)	< 1.5 mg/Kg	1.5	6010	10/26/07	16:27	IFH
	Mercury (Hg)	< 0.1 mg/Kg	0.1	7471B	10/30/07	8:05	ADW
	Hexavalent Chromium	< 1 mg/Kg	1	7196 A	11/8/07	8:10	ADW

QA/QC Procedures required by the Methods were followed unless otherwise noted. Performance and acceptance standards for required NELAC QA/QC procedures were achieved unless otherwise noted. No significant modifications have been made to the Methods. I attest that, based upon my inquiry of those individuals immediately responsible for reviewing the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

These results relate only to the item tested. This report shall not be reproduced except in full and with permission of this laboratory. The Laboratory retains sole ownership of all data until reimbursement has been made.

Report approved by:



1.5 PPM

Product Data Sheet

Product: PEARL LINEN®

Origin: Manufactured in the U.S.A.

Base Cloth: 100% Cotton Plain Weave

Standard Width: 54" (137.16 cm) Width
Rolled to order 3" ID standard cores

Converting: Sheeting, Squaring and Slitting
Lamination to 10 pt. & 18 pt. board; White or Black

Type of Treatment: Latex-Impregnated Cloth

Coating: Aqueous Latex, Odor Free, and PH Neutral

Colors: 24 Stock Colors
50 yard minimum for stocked colors
Custom colors are available on Make-to-Order basis; 1000 yd minimum.

Suggested Uses: Book Covers, DVD/CD Packaging, Fragrance, Liquor, Jewelry, and Luxury Packaging; Binders and Portfolio, Game Boards, Menu Covers and Display and Point of Purchase.

Decoration: Can be Foil Stamped, Blind Stamped, Screen-Printed and Off Set Printable.

Adhesive/Glue: Acceptable gluing includes: Animal Glue, Poly Vinyl Acetate, and Hot Melt applications. Easily works with Machine or Hand Binderies.

Specification: Conforms to ANSI L29.1-1977 Standard for Group B cloth, Meets Manufacturing Standards and Specifications for Group B Cloth as established by: National Association of State Textbook Administrator (NASTA), Association of American Publishers, Book Manufacturing Institute.

Sample Service: Sample sheets available upon request.

**Average weight per 1000 linear yards: 450 pounds.

**For new and non-standard applications, we recommend that the product be fully tested prior to use. Please consult ICG Holliston R&D 800-251-0451 x 2271 for more information.

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

Pearl Linen and Kennett

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Pearl Linen and Kennett**

Manufacturer's Name: **ICG/Holliston**

Address: **P.O. Box 478**

Emergency Telephone No. **1-423-357-6141**

City, State, ZIP: **Kingsport, TN 37662**

Other Information Calls: **1-800-251-0251**

Common Name(s)

(Synonyms):

Coated Cloth

Date Prepared: **8/1/2007**

SECTION 2 - HAZARDOUS COMPOSITION/INGREDIENTS

Hazardous Component(s) (chemical & common name(s))	% (optional)	OSHA - VPCL STEL	OSHA-VPCL TWA	CAS NO.
Coated Cloth	N/A	N/A	N/A	N/A
Proprietary coating containing inert solids, aqueous and organic binders, pigments, and fillers	N/A	N/A	N/A	N/A

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	1.2
Vapor Density (Air=1)	N/A	Vapor Pressure (mm Hg)	< 0.1
Solubility in Water	Insoluble	Reactivity in Water	None
Appearance and Odor	Solid (flexible sheet. No odors)	Melting Point	N/A

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	N/A	Flammability Limits (%)	Unknown
Auto-Ignition Temperature	Unknown	Extinguisher Media	Water is the most effective fire extinguishing medium. Other agents will also work.
Special Fire Fighting Procedures	Positive pressure NIOSH approved self-contained breathing apparatus is suggested. Large quantities of product may continue to smolder until thoroughly wet out.		
Unusual Fire and Explosion Hazards	Unknown		
Hazardous Decomposition Products	Combustion products vary depending on fire conditions and other combustibles present in the fire. Combustion products will be predominately CO, CO ₂ , and hydrocarbons.		

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	<input type="checkbox"/> Stable <input checked="" type="checkbox"/> Conditions to Avoid	Avoid extreme heat and open flames
Incompatibility (Materials to Avoid)	Avoid contact with strong oxidizing agents, strong alkalis, and strong mineral acids.	
Hazardous Decomposition Products	Combustion products vary depending on fire conditions and other combustibles present in the fire. Combustion products will be predominately CO, CO ₂ , and hydrocarbons.	
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid

SECTION 6 - HEALTH HAZARDS

1. Acute (Immediate)		2. Chronic (Delayed Effect)			
Signs and Symptoms of Exposure	Irritation if product is heated to high temperatures to release vapors from melting of coated solids				
Medical Conditions Generally Aggravated by Exposure	Unknown				
Chemical Listed as Carcinogen or Potential Carcinogen	N/A	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency and First Aid Procedures					
ROUTES OF ENTRY	1. Inhalation	Respiratory irritation possible if product is heated to high temperatures so as to melt coated solids			
	2. Eyes	Irritation possible if product is heated to release vapors			
	3. Skin	Irritation possible if product is heated to release vapors			
	4. Ingestion	Not a normal route of exposure			

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Avoid extreme heat and open flames

Other Precautions Avoid inhalation of any released vapors

Steps to be Taken in Case Material is Released or Spilled

Waste Disposal Methods (Consult federal, state & local regulations) Dispose of product in accordance with applicable local, state, and federal regulations. Do not burn in a boiler firebox, incinerator, or other confining equipment.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) If alterations generate dust (cutting, sanding, and/or grinding) use NIOSH approved respirator

Ventilation	Local Exhaust <input checked="" type="checkbox"/>	Mechanical (General) <input checked="" type="checkbox"/>	Special	Other
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Protective

Gloves Eye

Other Protective Wear

Clothing or Equipment

Work/Hygiene Practices Wash hands with soap and water before eating and drinking

IMPORTANT - The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not.