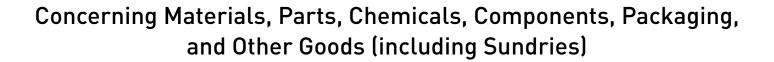
LEVI STRAUSS & CO.

- Levi's® Dockers®
- dENiZEN™
- Signature by Levi Strauss & CO.™

Restricted Substances List ("RSL")

July 2014



For any questions, please e-mail: rsl@levi.com

Issue: July 2014

Supersedes all previous versions for products distributed during S3:2015 Season and thereafter.

Please print on recycled paper.

Introduction

LS&CO. is committed to conducting its business in an environmentally sustainable manner that protects consumers, workers, the environment and the LS&CO. brands. We do so by building principally upon three pillars: (1) the Restricted Substances List (RSL); (2) Environmental Sustainability; and (3) Worker Health and Safety Requirements. These pillars, and all other requirements set out on LS&CO.'s website www.levi.com, apply to all Suppliers as well as Sources in LS&CO.'s global supply chain. These terms are explained below and in Appendix 2: Definitions. The balance of this document addresses LS&CO.'s RSL.

Please note that the RSL applies to all materials, parts, chemicals, components, packaging and other goods (including sundries), that are sourced or supplied for direct or eventual use in products to be labeled and/or distributed by LS&CO. This listing includes, but is not limited to, finished products, including apparel, non-apparel, footwear, accessories, packaging and other products¹. Throughout the remainder of this RSL, all such materials, parts, chemicals, components, packaging and other goods (including sundries), will be referred to, collectively, as "Materials, Chemicals and Other Goods".

Restricted Substances List

The objectives of the LS&CO. RSL (July 2014) are to:

- (a) Ensure that Materials, Chemicals and Other Goods, used or supplied for the fabrication, manufacture or processing of LS&CO. labeled and/or distributed products, comply with the applicable chemical content and chemical exposure laws of every governmental jurisdiction in which those products are fabricated, manufactured, processed or distributed; and
- (b) Protect the health and safety of consumers and others handling LS&CO. labeled and/or distributed finished products.

Application

LS&CO. requires that all Materials, Chemicals and Other Goods provided by Suppliers and Sources (as defined on page iv) comply with the "Limit Value Final Product" (LVFP) levels specified in this RSL. To ensure finished products meet the LVFP concentrations set out in Sections 1-3 of this RSL, Suppliers and Sources must implement an appropriate program of testing and quality assurance.

In addition, Suppliers and Sources must ensure that the chemicals used or supplied in the manufacture of LS&CO. labeled and/or distributed products are used in a manner consistent with Technical Data Sheet and any other specifications and warnings provided by the chemical Supplier or Source.

The RSL is an important part of LS&CO.'s product stewardship and environmental sustainability programs, and Suppliers must share the RSL with all Sources of all Materials, Chemicals and Other Goods supplied or distributed to produce LS&CO. apparel, accessories and other products. Among other things, Suppliers are responsible for ensuring that all Sources supply or otherwise deliver to Suppliers Materials, Chemicals and Other Goods that are in compliance with (a) the prohibitions, limitations and other requirements described or referred to in the RSL and (b) the applicable laws of every country and other jurisdictions in which they are to be fabricated, manufactured, processed or distributed.

continued on next page

1 Products that are subject to the RSL also include LS&CO. promotional items and nominal "give-away" items provided to customers and business partners.

Using the RSL

The RSL contains four core sections: Restricted Substances List requirements (Sections 1 & 2), Obligation to comply with REACh and All Other Governmental Requirements (Section 3), and Chemical Information Log (Section 4). The appendices to the RSL (beginning at page 25) provide supplementary guidance to assist our Suppliers, Sources and other business partners in understanding and complying with the RSL requirements. We require our Suppliers, Sources and other business partners to study this document carefully, implement management processes in their operations to comply with the RSL, and comply with the applicable legal requirements of every country and other jurisdiction in which their Materials, Chemicals and Other Goods are to be fabricated, manufactured, processed or distributed, as well as comply with all relevant contracts with LS&CO. and its affiliates. We also obligate our Suppliers and Sources to communicate these requirements to their relevant internal teams. This July 2014 RSL supersedes all prior versions of the RSL with respect to products distributed during Season S-3 2015 and thereafter.

Throughout this document, references are made to Supplier(s) and Source(s). LS&CO. defines them for the purposes of the July 2014 RSL as follows:

Supplier(s) are defined as factories and other businesses, including licensees, that contract with LS&CO. to produce finished products, apparel, accessories and other products for LS&CO. Suppliers may also contract with Sources for Materials, Chemicals and Other Goods for direct or eventual use in fabricating, manufacturing or other processing of LS&CO. labeled and/or distributed apparel, accessories and other products.

Source(s) are defined as business partners of Suppliers that provide Materials, Chemicals and Other Goods for direct or eventual use in fabricating, manufacturing or other processing of LS&CO. labeled and/or distributed apparel, accessories, and other products.

For a glossary of other terms found in this July 2014 RSL, please see Appendix 2 on pages 26–27.

Suppliers' and Sources' Commitment

Each Supplier or Source of Materials, Chemicals and Other Goods (a) to LS&CO., and (b) to any LS&CO. contractor when the Materials, Chemicals and Other Goods will be used during the fabrication, manufacture or other processing of a LS&CO. labeled and/or distributed product represents and warrants that each of its Materials, Chemicals and Other Goods comply with all provisions of the RSL (including, but not limited to, the RSL's prohibitions, restrictions, other requirements and all applicable national and other legal requirements). Supplier will defend, indemnify and hold LS&CO. harmless, against any allegation, claim, loss, damage, or other detriment resulting from any such Supplier's or Source's non-compliance.

As a Supplier of LS&CO. products or raw materials for LS&CO. products, you are required to understand the RSL product standards and deliver only compliant products. You are also responsible for seeking guidance from LS&CO. in any situation where you may have doubts or uncertainties about your product's compliance with LS&CO.'s RSL. Compliance with LS&CO.'s RSL is a mandatory condition in satisfying each and every order placed by LS&CO.

Suppliers' Management System Approach Supporting LS&CO. RSL Compliance at the Factory

- Appoint a liaison (designated as the RSL Technical Representative) in the factory.
- Contact LS&CO.'s RSL team with any questions or to request training.
- Communicate with and educate all personnel concerning the RSL whose acts or omissions could affect compliance with the RSL.
- Communicate copies of all appropriate information concerning the applicable RSL to all of your Suppliers and Sources whose acts or omissions could affect compliance with the LS&CO. RSL.
- Ensure that you and your Suppliers and Sources comply with all applicable legal requirements of the countries and other jurisdictions in which you/they do business, as well as all countries to which they ship any Materials, Chemicals and Other Goods which may be used with respect to LS&CO. labeled and/or distributed products.

- Purchase only Materials, Chemicals and Other Goods which comply with LS&CO.'s RSL requirements.
- Request updated Safety Data Sheets (SDSs), formerly known as Material Safety Data Sheets (MSDSs), from your chemical Sources for every chemical purchased.
- Be sure that employees are familiar with the precautions set out in the SDS's.
- Understand all the chemical inputs to your production by requesting fully completed Chemical Information Logs (see Section 4 of this RSL) from your chemical Sources.
- Contact all your Materials, Chemicals and Other Goods Suppliers and Sources to ensure their understanding of LS&CO.'s RSL and their commitment to supplying only RSL-compliant chemicals and materials.
- · Conduct internal staff training.
- Document all dyeing, coating, finishing, printing formulations.
- Follow the parameters as listed on the latest TDS's (Technical Data Sheet) and document all chemicals use and process control variables (e.g., pH, curing temperatures, durations, liquor quantities and ratios) as actually used in production.
- Implement the processes as defined in the chemical recipes or their equivalents.

- Replace unknown Materials, Chemicals and Other Goods with Materials, Chemicals and Other Goods that meet LS&CO.'s RSL.
- Do not ship Materials, Chemicals and Other Goods if you are in doubt about compliance.
 Verify RSL compliance through laboratory testing and other appropriate quality control/ quality assurance procedures and consult LS&CO. RSL team at the same time.
- Investigate the root causes of any actual or potential RSL non-compliance situation and act effectively and efficiently to both notify LS&CO. and restore full compliance.

- Validate only materials and chemicals meeting the RSL requirements are used on LS&CO. products.
- Conduct inspections, audits and other quality control practices to ensure compliance with your obligations under the applicable RSL.
- Regularly check process control variables (e.g. pH, curing temperatures, duration, liquor quantities and ratios as per recipes) to validate proper chemical application.
- Perform analytical laboratory testing with random sampling as a routine and random RSL compliance verification processes.

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Section 1: Substances Which May Be Found in Some Apparel, Accessories, and Other Products

Application

The prohibitions and restrictions listed in this section apply to all Materials, Chemicals and Other Goods supplied for use in LS&CO. labeled and/or distributed products. Each Supplier and Source of Materials, Chemicals and Other Goods—(a) to LS&CO. and (b) to any LS&CO. contractor when the Materials, Chemicals and Other Goods will be used during the fabrication, manufacture, processing or distribution of a LS&CO. labeled and/or distributed product, represents and warrants that each of its Materials, Chemicals and Other Goods) complies with all provisions of the RSL (including, but not limited to, the RSL's prohibitions, restrictions, other requirements and all applicable legal requirements) and that the Supplier and Source will defend, indemnify and hold LS&CO. harmless from any allegation, claim, liability, loss, damage, or other detriment, resulting from any such Supplier's non-compliance.

Purpose

LS&CO. is committed to upholding health and safety by producing safe products. This section identifies the substances of primary interest to LS&CO. and presents those substances along with the corresponding prohibitions or limitations. In addition, analytical test methods for use by the laboratory are given for each substance. Testing for compliance with any edition of the RSL must be conducted by a laboratory approved in advance by LS&CO.

LS&CO. may test Materials, Chemicals and Other Goods for the RSL listed substances. LS&CO. Suppliers and Sources have a non-delegable duty to comply with the prohibitions, limitations, and other requirements of the RSL. The presence of a substance on the RSL or on any previous RSL should not be interpreted as suggesting that the substance is, or ever was, present in any LS&CO. labeled and/or distributed apparel, non-apparel, footwear, accessories, packaging and other products.

Outline of LS&CO. RSL Prohibitions, Limitations, and Requirements

The prohibitions, restrictions and other requirements in the RSL are based, in part, on global legislation regulating chemicals usage in the manufacturing and/or distribution of the types of products distributed by LS&CO. The European Union has developed the "Regulation Concerning the Registration, Evaluation, Authorization and Restriction of Chemicals" or REACh which is aimed at ensuring the protection of human health and the environment from risks that might be posed by certain exposures to certain doses of specific chemicals. Other countries have developed or are developing similar regulations, such as, but not limited to, China, Canada, Mexico, Indonesia, Serbia, Vietnam and South Korea. In the United States, many states, including, but not limited to, California, Illinois, Maine and Washington, have adopted laws regulating chemicals in consumer products. These and other regulatory requirements were considered in preparing this edition of the RSL.

Laws and regulations concerning substances are constantly changing as more scientific and other technical information becomes generally accepted, leading to an enhanced understanding of chemicals and any potential effects they might have at certain doses by certain routes of exposure on human health and the environment. Accordingly, LS&CO. will endeavor to publish an updated RSL on a regular basis. That said, it remains the responsibility of each Supplier and Source to identify and comply with all applicable requirements as set out in this RSL, in REACh and the applicable laws of each country and other jurisdictions in which each Supplier and Source conducts business and into which it ships Materials, Chemicals and Other Goods.

A. Aromatic Amines from Azo Colorants²

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg) ³	Test Method⁴
4-Aminoazobenzene ⁵	60-09-3		
<i>o</i> -Aminoazotoluene	97-56-3		
4-Aminodiphenyl	92-67-1		
2-Amino-4-nitrotoluene	99-55-8		
<i>o</i> -Anisidine	90-04-0		
Benzidine	92-87-5		
<i>p</i> -Chloroaniline	106-47-8		Products for all markets
4-Chloro- <i>o</i> -toluidine	95-69-2		except China:
<i>p</i> -Cresidine	120-71-8		Textiles (natural & synthetic):
2,4-Diaminoanisole	615-05-4		EN 14362-1
4,4´-Diamino- diphenylmethane	101-77-9		Natural leather: ISO 17234-1
3,3´-Dichlorobenzidine ⁶	91-94-1		[RL=20]
3,3´-Dimethoxybenzidine	119-90-4	Not Detected	Products for China market:
3,3´-Dimethylbenzidine	119-93-7		China Standard: GB18401
3,3´-Dimethyl-4,4´- diamino- diphenylmethane	838-88-0		<u>Textiles:</u> GB/T 17592
4,4´-Methylene-bis-(2- chloraniline)	101-14-4		China Standard: GB20400 Natural leather:
2-Naphthylamine	91-59-8		GB/T 19942
4,4´-Oxydianiline	101-80-4		[RL=20]
4,4´-Thiodianiline	139-65-1		
2,4-Toluenediamine	95-80-7		
<i>o</i> -Toluidine	95-53-4		
2,4,5-Trimethylaniline	137-17-7		
2,4-Xylidine	95-68-1		
2,6-Xylidine	87-62-7		

² See Appendices 4 and 5 for a partial list of azo dyes and pigments which, through reductive cleavage, may form restricted substances (amines).

³ Any reference to the term "Not Detected" indicates that the substance must not be detected in the final product.

⁴ The test method indicated shall be used by the LS&CO. approved laboratory to determine compliance with the RSL. The method's Reporting Limit is provided with designation ("RL").

⁵ Use test method §64 LFBG 82.02.9, EN14362-3, or GB/T 23344 for analysis of 4-Aminoazobenzene. Use ISO 17234-2 for leather products.

^{6 3,3&#}x27;-dichlorobenzidine has been reported to be found when printing using a combination of Pigment Black 7 with either Pigment Orange 13 or Pigment Orange 34. This combination of pigments shall be subjected to the listed usage bans.

B. Disperse Dyes and Other Colorants

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
DISPERSE DYES			
Disperse Blue 1	2475-45-8		
Disperse Blue 3	2475-46-9		
Disperse Blue 7	3179-90-6		
Disperse Blue 26	3860-63-7		
Disperse Blue 35	12222-75-2 56524-77-7 56524-76-6		
Disperse Blue 102	12222-97-8		
Disperse Blue 106	12223-01-7		
Disperse Blue 124	61951-51-7		
Disperse Brown 1	23355-64-8		
Disperse Orange 1	2581-69-3		
Disperse Orange 3	730-40-5		
Disperse Orange 11	82-28-0		
Disperse Orange 37/59/76	13301-61-6		DIN 54231 ⁷
Disperse Orange 149	85136-74-9	Not Detected	Units in mg/l
Disperse Red 1	2872-52-8		[RL=5]
Disperse Red 11	2872-48-2		
Disperse Red 17	3179-89-3		
Disperse Yellow 1	119-15-3		
Disperse Yellow 3	2832-40-8		
Disperse Yellow 9	6373-73-5		
Disperse Yellow 23	6250-23-3		
Disperse Yellow 39	12236-29-2		
Disperse Yellow 49	54824-37-2		
OTHER COLORANTS]	
Acid Red 26	3761-53-3		
Basic Red 9	569-61-9		
Basic Violet 14	632-99-5		
Direct Black 38	1937-37-7]	
Direct Blue 6	2602-46-2	1	
Direct Red 28	573-58-0	1	
Blue Colorant ⁸	Not Allocated ⁹	Usage Ban [TR=10]	Extraction in solvent and detection with HPLC-DAD

⁷ $\,$ The result for test method DIN 54231 is reported in milligrams of dye per liter of extract.

An azo colorant that is a mixture of: disodium(6-(4-anisido)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-2-naphtholato)(1-(5-chloro-2-oxidophenylazo)-2-naphtolato)chromate(1-) -CAS Number 118685-33-9 and trisodium bis(6-(4-anisidino)-3-sulfonato-2-(3,5-dinitro-2-oxidophenylazo)-1- naphtolato)chromate(1-).

⁹ No allocated CAS number. (Blue colorant: CAS Number not allocated, Index number 611-070-00-2, EC number 405-665-4). REACh regulation (EC) 1907/2006 Appendix 9.

C. Biocides¹⁰

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
CHOROPHENOLS			
Pentachlorophenol (PCP)	87-86-5	Not Detected	§64 LFGB 82.02.8 ¹¹ [RL=0.5]
Mono-, Di-, Trichlorophenols (TriCP) and Tetrachorophenol (TeCP)	Various	Not Detected	§64 LFGB 82.02.8 ¹² [RL=0.5]
4-Chloro-3-methyl phenol	59-50-7	Not Detected	§64 LFGB 82.02.8 [RL=0.5]
OTHERS			
Dimethyl fumarate (DMFu)	624-49-7	Usage Ban [TR=0.1]	
o-Phenylphenol (OPP)	90-43-7	100	Solvent extraction / GC-MS,
Sensitizing Isothiazolinones	26530-20-1 ¹³ 26172-55-4 2682-20-4 2634-33-5	50 1 1 50	LC-MS for confirmation

D. Chlorinated Aromatics

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Chlorinated benzenes ¹⁴	Various	Usage Ban [TR=1]	DIN 54232
Chlorinated toluenes ¹⁵	Various	Usage Ban [TR=1]	DIN 34232

¹⁰ Any biocide use to impart properties to the final products is not allowed to be used without prior approval of LS&CO.

¹¹ EXCEPTION: PCP analysis for leather substrates requires test method ISO 17070.

¹² EXCEPTION: TriCP and TeCP analysis for leather substrates requires test method ISO 17070.

¹³ For leather products for which there would be no reasonably foreseeable direct and prolonged skin contact during normal usage, the limit is 150 mg/kg for 2-octyl-4-isothiazolin-3-one.

¹⁴ Chlorinated benzenes include monochlorobenzene (108-90-7), all isomers of di-, tri-, and tetra-chlorobenzenes, pentachlorobenzene (608-93-5) and hexachlorobenzene (118-74-1). 10 mg/kg is applied for 1,2-dichlorobenzene (95-50-1).

¹⁵ Chlorinated toluenes include all isomers of mono-, di-, tri-, and tetra-chlorotoluenes and pentachlorotoluene [877-11-2].

E. Isocyanates¹⁶

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Diphenylmethane diisocyanates (MDI) ¹⁷	Various	Free: 1 Blocked: 50	Analysis of free isocyanates:
Hexamethylene diisocyanate (HDI)	822-06-0	Free: 1 Blocked: 50	Solvent extraction / HPLC
Isophorone diisocyanate (IPDI)	4098-71-9	Free: 1 Blocked: 100	Analysis of releasable (blocked) isocyanates:
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9	Free: 1 Blocked: 100	Solvent extraction / GC-MS with injector block temperature
Toluene diisocyanate (TDI) ¹⁸	584-84-9 91-08-7	Free: 1 Blocked: 15	at 300°C, confirmation at 180°C.
Napthylene-1,5,di- isocyanate (1,5-NDI)	3173-72-6	Free: 1 Blocked: 50	

F. Flame Retardants¹⁹

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Hexabromocyclododecane ²⁰ (HBCDD)	25637-99-4 3194-55-6		
Polybrominated biphenyls (PBBs)	Various		
Penta-bromodiphenyl ether (pentaBDE)	32534-81-9	II D	
Octa-bromodiphenyl ether (octaBDE)	32536-52-0	Usage Ban [TR=5]	Solvent extraction / GC-MS
Deca-bromodiphenyl ether (decaBDE)	1163-19-5	[1K=3]	GC-M2
Tri-o-cresyl phosphate	78-30-8		
Tris(2,3-dibromopropyl) phosphate (TRIS)	126-72-7		
Bis(2,3-dibromopropyl) phosphate	5412-25-9		
Tris(1-aziridinyl)-phosphine oxide (TEPA)	545-55-1	Usage Ban [TR=5]	KOH digestion / headspace analysis of ethyleneimine fragment by GC-MS
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8		
2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	3296-90-0	Usage Ban	Solvent extraction /
Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	13674-87-8	[TR=5] GC-MS or LC-MS	
Tetrabromobisphenol A (TBBPA)	79-94-7		

¹⁶ Use of blocked diisocyanates (oxime/pyrazole- or self-blocked) based on any other diisocyanates and pre-polymers listed on the garment/fabric finishes and/or prints needs prior approval from LS&CO. Product Safety.

¹⁷ MDIs include monomers, isomers, oligomers and polymers with various CAS Numbers.

¹⁸ TDI restriction applies to both 2,4-TDI [584-84-9] and 2,6-TDI (91-08-7), individually.

¹⁹ No Flame Retardants are allowed on LS&CO. products. Upon request, listed flame retardants are to be tested.

²⁰ Isomers of HBCDD: Alpha-hexabromocyclododecane (CAS 134237-50-6), Beta-hexabromocyclododecane (CAS 134237-51-7) and Gamma-hexabromocyclododecane (CAS 134237-52-8).

G. Metals²¹

Restrictions for Textiles (including Artificial Leather) and Leather (Natural & Coated)						
Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method			
Total Digestion Metal C	ontent ^{22,23}					
Cadmium (Cd)	Various	Usage Ban [TR=50]	EN 1122			
Lead (Pb)	Various	Usage Ban [TR=50]	CPSC-CH-E1002-08 Modified EPA 5051 / ICP-MS Modified ASTM E1613-04 CPSC-CH-E1003-09			
Arsenic (As)	Various	Usage Ban [TR=10]	Microwave Digestion followed by			
Mercury (Hg)	Various	Usage Ban [TR=5]	ICP-MS (based on EN 1122)			
Extractable Metal Conte	ent					
Antimony (Sb)	Various	30				
Arsenic (As)	Various	Usage Ban [TR=0.2]				
Cadmium (Cd)	Various	Usage Ban [TR=0.1]				
Chromium (Cr)-total ²⁴	Various	1				
Cobalt (Co)	Various	1	Extraction in acidic perspiration as per EN ISO 105-E04 / ICP-MS			
Copper (Cu)	Various	25	per EN 130 100 E047 101 143			
Lead (Pb)	Various	Usage Ban [TR=0.2]				
Mercury (Hg)	Various	Usage Ban [TR=0.02]				
Nickel (Ni) ²⁵	Various	1				
Chromium (Cr6+) - hexavalent ²⁶	Various	Not Detected	ISO 17075 (RL=3)			

²¹ Metal restrictions are separated into 2 major categories: (1) Restrictions for textiles and leather (artificial, natural & coated leather), (2) Restrictions for Sundries and Jewelry (children & adults). The concentration is calculated at element level. However, metals can be found in products both at element level and in ionised form(s) (including metal compounds) with various CAS numbers.

²² Total digestion metal content—the sample is digested by concentrated acid and the total metal content in the sample is measured.

²³ Applicable for leather (artificial, natural, and coated) only.

²⁴ Chromium (Cr) total means all including Cr (iii) and Cr (vi). This restriction is applicable to all except Natural Leather.

²⁵ Restriction for nickel (Ni) is applicable only for Textiles and Artificial Leather.

²⁶ Chromium (Cr⁶⁺)-hexavalent restriction is applicable only for leather. Testing is to be performed after aging (aging condition: 24 hours at 80°C & 20% relative humidity (RH)).

G. Metals (continued)

Restrictions for Sundries and Jewelry ²⁷ (Children ²⁸ & Adult)					
Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method		
Total Digestion Metal C	ontent				
Cadmium (Cd)	Various	100	EN 1122		
Lead (Pb)—surface coating and substrate	Various	90	CPSC-CH-E1002-08 Modified EPA 5051 / ICP-MS Modified ASTM E1613 CPSC-CH-E1003-09		
Releaseable Metal Cont	tent				
Nickel (Ni) ²⁹	Various	0.5 µg/cm²/week 0.2 µg/cm²/week (pierced part)	EN 1811 ³⁰		
Extractable Metal Conte	ent ³¹				
Antimony (Sb)	Various	60			
Arsenic (As)	Various	25			
Barium (Ba)	Various	1000			
Cadmium (Cd)	Various	Not Detected [RL=5]	ASTM F963		
Chromium (Cr)—total	Various	60			
Mercury (Hg)	Various	60			
Selenium (Se)	Various	500			
Chromium (Cr ⁶⁺) - hexavalent ³²	Various	Not Detected	ISO 17075 (RL=3)		

²⁷ Jewelry includes stones and crystals. Man-made leaded crystals are prohibited from use on any children's products.

²⁸ Children's products are defined as products designed or intended primarily for children age 12 and below.

²⁹ Applicable to metallic parts when the metallic part surface has direct and prolonged skin contact.

³⁰ For metallic parts without a surface coating or plating, test in accordance with method EN 1811. For metallic parts with a surface coating or plating, perform EN 12472, then test in accordance with method EN 1811. The same limit value of 0.5 µg/cm²/week applies regardless of the test method used.

³¹ Extractable Metal Content Restrictions applicable for sundries and jewelry for children only.

³² Chromium (Cr⁶⁺)-hexavalent restriction is applicable only for leather. Testing is to be performed after aging (aging condition: 24 hours at 80°C & 20% relative humidity (RH)).

H. Organotin Compounds

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Mono-, Di- & Tri-butyltin derivatives		Usage Ban [TR=0.5] (Sum of all)	
Mono-, Di- & Tri-methyltin derivatives	Various	Usage Ban [TR=0.5] (Sum of all)	Solvent extraction +
Mono-, Di- & Tri-phenyltin derivatives	various	Usage Ban [TR=0.5] (Sum of all)	ISO 17353 [RL=0.05]
Mono-, Di- & Tri-octyltin derivatives		Usage Ban [TR=0.5] (Sum of all)	

I. Solvents

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Benzylchloride	100-44-7	2	
Ethylbenzene	100-41-4	15	
Benzene	71-43-2	Usage Ban [TR=5]	
N,N-Dimethylformamide (DMF)	68-12-2	1,000	
Ethoxyethanol	110-80-5	80	
Ethoxyethanol acetate	111-15-9	80	
2-Methoxyethanol	109-86-4	25	
2-Methoxyethanol acetate	110-49-6	40	
2-Methoxypropanol	1589-47-5	1,000	
2-Methoxypropanol acetate	70657-70-4	1,000	
2-Phenoxyethanol	122-99-6	400	
N-Methylpyrrolidone (NMP)	872-50-4	Usage Ban [TR=10]	
N-Ethylpyrrolidone (NEP)	2687-91-4	30	Solvent extraction / GC-MS or LC-MS
Tetrachloroethene (Perchloroethylene)	127-18-4	1	01 20 110
Formamide	75-12-7	1000	
Trichloroethylene (TCE)	79-01-6	40	
Toluene	108-88-3	1,000	
1,2-Bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	1,000	
1,2-Dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4	1,000	
1,2-Diethoxyethane	629-14-1	500	
N,N-Dimethylactamide (DMAC)	127-19-5	1,000	
Methyl ethyl ketone (MEK)	78-93-3	1,000	
Methanol	67-56-1	1,000	
2-(2-Methoxyethoxy)-ethanol	111-77-3	1,000	

J. Phthalates

Chemical Substance	CAS Number	Limit Value		
All esters of Ortho-phthalic acid. Including, but not limited to, the following ³³ :		Final Product (mg/kg)	Test Method	
Di(ethylhexyl) phthalate (DEHP)	117-81-7			
Di-n-octyl phthalate (DNOP)	117-84-0			
Di-iso-butyl phthalate (DIBP)	84-69-5			
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0			
Di-iso-decyl phthalate (DIDP)	26761-40-0 68515-49-1			
Butyl benzyl phthalate (BBP)	85-68-7			
Dibutyl phthalate (DBP)	84-74-2		-66-2	
Diethy phthalate (DEP)	84-66-2			
Di-C6-8-branched Alkyl phthalates (DIHP)	71888-89-6			Textiles:
Di-C7-11-branched Alkyl phthalates (DHNUP)	68515-42-4	Usage Ban [TR=200 (total	CPSC-CH-C-1001-09.3	
Di-n-hexylphthalate (DNHP)	84-75-3	phthalates)]	<u>Footwear:</u>	
Di-(2-methoxyethyl) phthalate (DMEP)	117-82-8		ISO-TS 16181	
Dinonyl phthalate (DNP)	84-76-4			
Di-n-propyl phthalate (DPRP)	131-16-8			
Di-cyclohexyl phthalate (DCHP)	84-61-7			
Di-iso-octyl phthalate (DIOP)	27554-26-3			
N-pentyl-isopentylphthalate (NPIPP)	776297-69-9			
1,2-benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0			
Di-isopentyl phthalate (DIPP)	605-50-5			
Dipentyl phthalate (DPP)	131-18-0			
Diisohexyl phthalate (DIHP)	68515-50-4			

K. Components and Residuals from Auxiliary Manufacturing³⁴

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Acetophenone	98-86-2	50	Solvent extraction / GC-MS
Chlorinated paraffins ³⁵	Various	Usage Ban [TR=30]	·
Formaldehyde ³⁶	50-00-0	Textile Children: 16 Adults: 65 Natural Leather Children: 16 Adults (with direct skin contact) ³⁷ : 65 Adults (without direct skin contact) ³⁸ : 250	Textile: ISO 14184-1 Natural Leather: Products for markets other than China: ISO 17226-2 Products for China market: GB/T 19941
Perfluorooctane sulfonate (PFOS)	Various	Usage Ban [TR=1 μg/m²]	
Perfluorooctanoic acid (PFOA)	Various	Usage Ban [TR=1 µg/m²]	
<i>p</i> -Phenylenediamine	106-50-3	50	
Hexamethylenetetramine	100-97-0	50	
Bis(2-ethylhexyl) maleate	142-16-5	1,000	Solvent extraction / GC-MS
Di(2-ethylhexyl)fumarate	141-02-6	100	or LC-MS
Tris(2-ethylhexyl) phosphate	78-42-2	50	
Mono-2-ethylhexyl phosphate	1070-03-7	50	
Bis-iso-octyl phosphate	27215-10-7	50	
Bis-2-ethylhexyl phosphate	298-07-7	50	
Mono-iso-octyl phosphate	26403-12-3	50	

³⁴ Melamine based resins are: a) prohibited for use as coating; and b) require LS&CO.'s prior approval for use as cross-linker.

³⁵ Including chlorinated paraffin from C_{10} to C_{30} , where chlorine content 20% to 70%. Use LC-MS for C_{20} to C_{30} .

³⁶ EXCEPTION: For baby products (age 0–24 months) intended for the Japanese market, the formaldehyde concentration must be below an absorbency (A–A_n) limit of 0.05 using JIS L1041, Method A.

³⁷ Direct skin contact means any part of the product (such as collar, cuff, body or sleeves) that has direct prolonged contact with the skin. An example is leather gloves without inner lining.

Without direct skin contact means that during normal use only a portion of the product may occasionally contact the skin during normal use (such as leather jacket). The product must have a lining which meets the RSL requirement. Leather products without linings are considered direct skin contact.

K. Components and Residuals from Auxiliary Manufacturing (continued)

Chemical Substance	CAS Number	Limit Value Final Product	Test Method
		(mg/kg)	
Mono-bis-2-ethylhexyl phosphate	12645-31-7	50	
2-Ethylhexyl diphenyl phosphate	1241-94-7	50	
Triphenyl phosphate	115-86-6	500	
Bis-2-ethylhexylphosphite	3658-48-8	50	
Tris-isononylphenylphosphite (TINPP)	26523-78-4	10	
Tris-2-ethylhexyl phosphite	301-13-3	50	
Triethylamine	121-44-8	50	
Tri-iso-butylphosphate	126-71-6	50	
Tri-n-butylphosphate	126-73-8	50	
Glyoxal	107-22-2	100	
Aminoethyl Ethanol Amine (AEEA)	111-41-1	50	Solvent extraction / GC-MS or LC-MS
Diethanolamine (DEA)	111-42-2	50	
Ethyleneimine	151-56-4	Not Detected [RL=0.1]	
Propyleneimine	75-55-8	Not Detected [RL=0.1]	
Epichlorohydrin	106-89-8	1	
Hexamethylene diamine	124-09-4	50	
2-Butanone oxime	96-29-7	50	
1,3-Dimethylpyrazole	694-48-4	50	
Benzylbenzoate	120-51-4	200	
2-Ethylhexanol	104-76-7	50	
Phenol	108-95-2	Usage Ban [TR=60]	

L. Polycyclic Aromatic Hydrocarbons (PAH)

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Benzo[a]pyrene	50-32-8		
Benzo[a]anthracene	56-55-3		
Dibenzo[a,h]anthracene	53-70-3		
Benzo[e]pyrene	192-97-2		
Benzo[b]fluoranthene	205-99-2		
Benzo[j]fluoranthane	205-82-3	1	
Chrysene	218-01-9]	
Benzo[k]fluoranthene	207-08-9		
Dibenzo(a,e)pyrene	192-65-4		
Dibenzo(a,h)pyrene	189-64-0		
Dibenzo(a,i)pyrene	189-55-9		ZEK 01.4-08/GC-MS or
Dibenzo(a,l)pyrene	191-30-0		
Acenaphthene	83-32-9		LC-MS
Acenaphthylene	208-96-8		
Anthracene	120-12-7		
Benzo[ghi]perylene	191-24-2		
Fluoranthene	206-44-0		
Fluorene	86-73-7	10	
Indeno[1,2,3-cd] pyrene	193-39-5	[Sum of all PAH]	
Naphthalene ³⁹	91-20-3		
Phenanthrene	85-01-8		
Pyrene	129-00-0		
Cyclopenta(c,d)pyrene	27208-37-3		
1-Methylpyrene	2381-21-7		

³⁹ If GCMS screening or PAH analysis shows only naphthalene, apply limit value for final product as 100 mg/kg. But If GCMS screening or PAH analysis shows naphthalene together with other PAHs, limit value for final product is 10 mg/kg for all PAH including Naphthalene.

M. Restriction on Packaging⁴⁰

Chemical Substance ⁴¹	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Cadmium (Cd)	Various		
Lead (Pb)	Various	Usage Ban	CEN/TR 13695-1
Chromium (Cr ⁶⁺)— hexavalent	Various	[TR=100 total]	Acid digestion with ICP analysis
Mercury (Hg)	Various		
PVC	9002-86-2	Usage Ban	Beilstein Test for screening, FTIR for confirmation
Dimethyl fumarate (DMFu)	624-49-7	Usage Ban [TR=0.1]	Solvent extraction / GC-MS, For confirmation, LC-MS

N. Alkyl Phenols and Alkyl Phenol Ethoxylates (APs & APEOs)

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
NP & 0P	Various including 104-40-5 & 140-66-9	Usage Ban [TR=5 (sum of all)]	Extraction in Methanol; detection and quantification by GC-MS and
NPE0 & OPE0 (E0) ₁₋₂₀	Various	Usage Ban [TR= 250 (sum of all)]	LC-MS

O. RoHS⁴²—Electrical and Electronic Equipment

Chemical Substance ⁴³	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Cadmium (Cd)	Various	100	
Chromium (Cr ⁶⁺)— hexavalent	Various		
Lead (Pb)	Various		RoHS Directive (2002/95/EC)
Mercury (Hg)	Various	1,000 for each	111/54/CDV:
Polybrominated biphenyls (PBBs)	Various	1,000 101 Each	IEC 62321, Ed. 3
Polybrominated diphenyl ethers (PBDE)	Various		

⁴⁰ Packaging means transportation packaging as well as product packaging, i.e., any material used for the containment, protection, handling, delivery, and presentation of finished goods (article).

⁴¹ For metals, concentration is calculated at element level. However, metals can be found in both at element level and in ionised form(s) (including metal compounds) with various CAS numbers.

⁴² RoHS refers to the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment. RoHS applies to electrical and electronic products. NOTE: The limits listed are by weight of homogeneous material (i.e., single material that is separated mechanically).

⁴³ For metals, concentration is calculated at element level. However, metals can be found in both at element level and in ionised form(s) (including metal compounds) with various CAS numbers.

P. N-Nitrosamines

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
N-Nitrosodimethylamine	62-75-9		
N-Nitrosodiethylamine	55-18-5		
N-Nitrosodipropylamine	621-64-7		GB/T24153-2009 ⁴⁴
N-Nitrosodibutylamine	924-16-3	Hanga Dan	
N-Nitrosopiperidine	100-75-4	Usage Ban [TR=0.5]	
N-Nitrosopyrrolidine	930-55-2	[11(-0.5]	
N-Nitrosomorholine	59-89-2		
N-Nitroso-N-methylaniline	614-00-6		
N-Nitroso-N-ethylaniline	612-64-6		

Q. PVC

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
PVC	9002-86-2	Usage Ban	Beilstein Test for screening, FTIR for confirmation

Section 2: Other Substances

Application

The prohibitions and restrictions listed in this section apply to all Materials, Chemicals and Other Goods supplied for the production of LS&CO. labeled and/or distributed apparel, non-apparel, footwear, accessories, packaging and other products.

Purpose

The purpose of this section is to identify certain substances <u>not</u> commonly found in apparel, footwear, non-apparel, accessories, or other products but nonetheless might infrequently be intentionally or inadvertently introduced into these goods. As with Section 1, this section notes each substance and details the appropriate test method for determining RSL compliance. Suppliers and Sources commit to implementing best business processes to achieve compliance with the restrictions in this section.

A. Dioxins and Furans

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method	
Group 1				
2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin	1746-01-6			
1,2,3,7,8-Pentachloro-dibenzo- <i>p</i> -dioxin	40321-76-4	Unavoidable traces acceptable up to 1	U.S. EPA Method 8290	
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	μg/kg for Group 1	0270	
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4			
Group 2				
1,2,3,4,7,8-Hexachloro-dibenzo- <i>p</i> -dioxin	39227-28-6			
1,2,3,7,8,9-Hexachloro-dibenzo- <i>p</i> -dioxin	19408-74-3		U.S. EPA Method	
1,2,3,6,7,8-Hexachloro-dibenzo- <i>p</i> -dioxin	57653-85-7	Unavoidable traces acceptable up to 5		
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	µg/kg for sum of	8290	
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	Groups 1 & 2		
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9			
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9			
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5			

Dioxins and Furans, continued

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method	
Group 3				
1,2,3,4,6,7,8-Heptachloro-dibenzo- <i>p</i> -dioxin	35822-46-9			
1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin	3268-87-9	Unavoidable traces acceptable		
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	up to 100 µg/kg for sum of Groups 1,	U.S. EPA Method 8290	
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	2, and 3		
1,2,3,4,6,7,8,9-Octachlorodibenzofuran	39001-02-0			
Group 4				
2,3,7,8-Tetrabromodibenzo- <i>p</i> -dioxin	50585-41-6		U.S. EPA Method 8290	
1,2,3,7,8-Pentabromo-dibenzo- <i>p</i> -dioxin	109333-34-8	Unavoidable traces acceptable		
2,3,7,8-Tetrabromodibenzofuran	67933-57-7	up to 1 µg/kg for Group 4		
2,3,4,7,8-Pentabromodibenzofuran	131166-92-2			
Group 5				
1,2,3,4,7,8-Hexabromo-dibenzo- <i>p</i> -dioxin	110999-44-5	. Unavoidable	U.S. EPA Method 8290	
1,2,3,7,8,9-Hexabromo-dibenzo- <i>p</i> -dioxin	110999-46-7	traces acceptable up to 5 µg/kg for		
1,2,3,6,7,8-Hexabromo-dibenzo- <i>p</i> -dioxin	110999-45-6	sum of Groups 4 & 5		
1,2,3,7,8-Pentabromodibenzofuran	107555-93-1			

B. Asbestos

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Actinolite			
Amosite			
Anthophylite	Various	Not Detected	U.S. EPA/600/R-93/116
Chrysotile	Various	Not Detected	U.S. EPA/000/R-73/110
Crocidolite			
Tremolite			

C. Pesticides

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Aldicarb	116-06-3		
Aldrin	309-00-2		
Chlordane	57-74-9		
Chlordimeform	6164-98-3		
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8		
<i>p</i> , <i>p</i> -Dichlorodiphenyl- dichloroethane (<i>p</i> , <i>p</i> -DDD)	72-54-8		
o,p-Dichlorodiphenyl- dichloroethane (o,p-DDD)	53-19-0		
<i>p,p</i> -Dichlorodiphenyl- dichloroethylene (<i>p,p</i> -DDE)	72-55-9		
o,p-Dichlorodiphenyl- dichloroethylene (o,p-DDE)	3424-82-6		
<i>p,p</i> -Dichlorodiphenyl- trichloroethane (<i>p,p</i> -DDT)	50-29-3		U.S. EPA Methods:
o,p-Dichlorodiphenyl- trichloroethane (o,p-DDT) ⁴⁵	789-02-6		
2,4-Dichlorophenoxy-acetic acid, its salts and compounds ⁴⁶	97-75-7	Not Detected	8081A / 8151A [RL=0.5]
Dicofol	115-32-2		
Dieldrin	60-57-1		
Endosulfan (Thiosulfan)	115-29-7		
Endrin	72-20-8		
Ethylene Dibromide (EDB)	106-93-4		
Hexachlorocyclohexane (HCH), all isomers ⁴⁷	608-73-1		
Heptachlor	76-44-8		
Heptachlor epoxide	1024-57-3		
Isodrin	465-73-6		
Kelevan	4234-79-1		
Kepone	143-50-0		
Malathion	121-75-5		
Methoxychlor	72-43-5		
Methyl Parathion	298-00-0		
Mirex	2385-85-5		

⁴⁵ Amount to be calculated on the free acid.

Different salts and compounds of 2,4-Dichlorophenoxy-acetic acid with various CAS numbers. Amount to be calculated on the free acid. All isomers of HCH, including alpha (319-84-6), beta (319-85-7), delta (319-86-8), epsilon (6108-10-7), and gamma (lindane, 58-89-9).

Pesticides, continued

r esticiaes, continuea				
Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method	
Paraquat	1910-42-5			
Parathion	56-38-2			
Perthane	72-56-0			
Quintozene	82-68-8			
Strobane	8001-50-1			
Telodrin	297-78-9		U.S. EPA Methods:	
Timiperone (DTTB)	57648-21-2	Not Detected	8081A / 8151A [RL=0.5]	
Toxaphene	8001-35-2		[KL=U.5]	
2,4,5-Trichlorophenoxyacetic acid (2,4,5-T), salts, compounds	Various			
2-(2,4,5-Trichlorophenoxy) propionic acid, salts, compounds	Various			

D. Other Organic Chemicals

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Bisphenol A	80-05-7	Not detected [TR=0.1]	
Halogenated biphenyls, including: • Polychlorinated biphenyl (PCB)	Various		
Halogenated diarylalkanes	Various		
Halogenated naphthalenes	Various		
Halogenated terphenyls, including: • Polychlorinated terphenyl (PCT)	Various	Usage Ban [TR=1]	Solvent extraction / GC-MS or LC-MS
Halogenated diphenyl methanes, including:			
 Monomethyl-dibromo- diphenyl methane⁴⁸ 	99688-47-8		
 Monomethyl-dichloro- diphenyl methane⁴⁹ 	81161-70-8		
 Monomethyl-tetrachloro- diphenyl methane⁵⁰ 	76253-60-6		

E. Monomers

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Acrylamide	79-06-1	0.1	Solvent extraction / GC-MS
Acrylonitrile	107-13-1	1	Multiple headspace / GC-MS
Butyl acrylate	141-32-2	50	
Butyl methacrylate	97-88-1	50	
Ethyl acrylate	140-88-5	10	Solvent extraction / GC-MS
Ethyl methacrylate	97-63-2	50	
Methyl methacrylate	80-62-6	50	

⁴⁸ Also DBBT. 49 Also Ugilec 121 or Ugilec 21. 50 Also Ugilec 141.

F. Fluorinated Substances

Chemical Substance	CAS Number	Limit Value Final Product (mg/kg)	Test Method
Sulfur hexafluoride - SF ₆	2551-62-4		
Hydrofluorocarbons (HFCs)			
HFC-23 - CHF ₃	75-46-7		
HFC-32 - CH ₂ F ₂	75-10-5		
HFC-41 - CH ₃ F	593-53-3		
HFC-43-10mee - C ₅ H ₂ F ₁₀	138495-42-8		
HFC-125 - C ₂ HF ₅	354-33-6		
HFC-134 - C ₂ H ₂ F ₄	359-35-3		
HFC-134a - CH ₂ FCF ₃	811-97-2		
HFC-152a - C ₂ H ₄ F ₂	75-37-6		
HFC-143 - C ₂ H ₃ F ₃	430-66-0		
HFC-143a - C ₂ H ₃ F ₃	420-46-2		
HFC-227ea - C ₃ HF ₇	431-89-0		
HFC-236cb - CH ₂ FCF ₂ CF ₃	677-56-5	Not Detected	GC-MS
HFC-236ea - CHF ₂ CHFCF ₃	431-63-0		
HFC-236fa - C ₃ H ₂ F ₆	690-39-1		
HFC-245ca - C ₃ H ₃ F ₅	679-86-7		
HFC-245fa - CHF ₂ CH ₂ CF ₃	460-73-1		
HFC-365mfc - CF ₃ CH ₂ CF ₂ CH ₃	406-58-6		
Perfluorocarbons (PFCs)			
Perfluoromethane - CF ₄	75-73-0		
Perfluoroethane - C ₂ F ₆	76-16-4		
Perfluoropropane - C ₃ F ₈	76-19-7		
Perfluorobutane - C ₄ F ₁₀	355-25-9		
Perfluoropentane - C ₅ F ₁₂	678-26-2		
Perfluorohexane - C ₆ F ₁₄	355-42-0		
Perfluorocyclobutane - C ₄ F ₈	115-25-3		

Section 3: Obligation to Comply with REACh and All Other Governmental Requirements

While for convenience this section of the RSL discusses some of the requirements of REACh, the obligation remains with Suppliers and Sources to identify and comply with all applicable requirements as set out in REACh and by the applicable laws of each country and other jurisdictions in which each Supplier and Source conducts business as well as each country into which each Supplier and Source ships any Materials, Chemicals and Other Goods.

REACh: The European Union's Regulation Concerning the Registration, Evaluation, Authorization and Restriction of Chemicals

Application

This section applies to all Suppliers and Sources manufacturing or supplying Materials, Chemicals and Other Goods for use in LS&CO. labeled and/or distributed products, including, but not limited to, apparel, non-apparel, footwear, accessories, packaging and other products which are intended for distribution or sale in any country within the European Economic Area.

Purpose

The information provided below is intended to assist our Suppliers and Sources to comply with REACh [Regulation (EC) Number 1907/2006 of the European Parliament and of the Council] Every LS&CO. Supplier and Source agree to inform LS&CO. of any substances listed in the candidate or pre-candidate list in European Chemicals Agency (ECHA website: www.echa.europa.eu) present in any and all Materials, Chemicals and Other Goods intended for use in any LS&CO. labeled and/or distributed apparel, non-apparel, footwear, accessories, and other products. In supplying this information, LS&CO. does not intend to assume all or any part of our Suppliers' and/or Sources' duty to comply with the regulation.

What Suppliers and Sources Should Do

All LS&CO. Suppliers and Sources shall visit the European Chemicals Agency (ECHA) website (www.echa.europa.eu) regularly and comply with the published obligations and guidance regarding chemicals and consumer articles.

To help ensure that all products supplied to LS&CO. comply with REACh, each Supplier and Source is obligated to track not only the current SVHCs, as listed on the ECHA website, but also the entire list of potential SVHCs⁵¹. Suppliers and Sources shall map each step in their supply chains, including the sourcing and processing of Materials, Chemicals and Other Goods ingredients, and immediately inform LS&CO. according to the Information Duty (Article 33) of all cases where a substance listed in the "SVHC List or Candidate List or Precandidate List" is present in the product or other Materials, Chemicals and Other Goods provided for use in any LS&CO. labeled or distributed product. Additionally, authorization requirements in REACh regulation shall be considered by any Suppliers or Sources situated in Europe.

continued on next page

51 Substances of Very High Concern (SVHC) are defined as CMR 1, CMR 2, PBT or vPvB substances as given in the legal text of REACh, Annex XVII for CMR, and on the European Chemicals Agency website, http://esis.jrc.ec.europa.eu/index.php?PGM=pbt. The listing is inclusive of SVHCs, candidate substances and pre-candidate substances, as defined below:

Candidate substances can be found at http://echa.europa.eu/candidate-list-table

Pre-candidate substances are found at http://echa.europa.eu/registry-of-current-svhc-intentions

Others

Other countries have developed or are developing similar laws and regulations, such as, but not limited to, China, Canada, Mexico, Indonesia, Serbia, Vietnam and South Korea. In the United States, many states, including, but not limited to, California, Illinois, Maine and Washington have adopted laws regulating chemicals in consumer products. These and other regulatory requirements are incorporated into the RSL.

Lists of restricted substances are constantly changing as more information from scientists and health professionals becomes available, leading to an enhanced understanding of chemicals and their effect on human health and the environment. Accordingly, LS&CO. will endeavor to publish an updated list on a regular basis. That said, it remains the responsibility of each Supplier and Source to identify and comply with all applicable requirements as set out under these regulations / requirements by each country and other jurisdictions in which each Supplier and Source conducts business and into which it ships any Materials, Chemicals and Other Goods.

Section 4: Chemical Information Log

Application

LS&CO. Suppliers and Sources must communicate with their chemicals Sources about the LS&CO. RSL. Suppliers and Sources must request a comprehensive Chemical Information Log from each and every chemical Source. Chemical Sources must review LS&CO.'s RSL to determine which substance(s) in their preparations (chemical mixtures), if any, has the potential to violate any provision of the applicable LS&CO. RSL if used in Materials, Chemicals and Other Goods intended for use in any LS&CO. labeled and/or distributed apparel, non-apparel, footwear, accessories, packaging and/or other product.

The CIL must be sent to LS&CO. by e-mail (rsl@levi.com).

The CIL **must** be completed for each preparation used in the manufacture of any LS&CO. product. The CIL includes 6 columns. The first column must be completed with the chemical trade name, as indicated on product packaging documents, MSDS and label. For each preparation, the chemical supplier shall indicate whether such chemical:

- (1) contains an RSL substance, or
- (2) may form an RSL substance during normal processing conditions.

When a preparation <u>contains</u>, or <u>may form</u>, an RSL substance in a concentration that could cause an LS&CO. product to exceed corresponding RSL restrictions, the chemical Supplier must identify the RSL substance and concentration on the CIL. The concentration set forth on the CIL must be the concentration of the RSL substance in the chemical preparation.

Purpose

LS&CO. acknowledges that superior knowledge of specific chemical data may reside with the chemical Source. It is therefore imperative to compliant product manufacturing that the chemical Source properly communicates to their customer (the Supplier) the existence of any RSL listed substances in Materials, Chemicals and Other Goods it furnishes to the Supplier.

Chemical Information Log (CIL)

For RSL July 2014

Date of Log:	
Name of Chemical Source:	
Address of Source:	

<u>Instructions</u>: If any Materials, Chemicals and Other Goods which you furnish to the LS&CO. Supplier, Source or to LS&CO. constitute, contain, or form any substance whose nature or concentration might exceed or cause the concentration on the final consumer product to exceed any prohibition, limitation, other requirement in the LS&CO. RSL or other applicable legal requirement, please provide the following information:

Trade Name	Yes—Contains RSL Substance [√ check if true]	Yes—Forms RSL Substance [√check if true]	RSL Substance	CAS No.	Concentration in preparation

The undersigned is an owner, director, officer, or managing agent of the Chemical Source, authorized to sign this document on behalf of the Source identified below:

Name (Please Print):	
Signature:	
Position:	
E-mail:	
Company Stamp:	

E-mail (rsl@levi.com)

Appendix 1: Contact Information

General contact e-mail: rsl@levi.com

Should you have any questions, please contact your regional RSL representative:

Canada and United States of America Elena Pidgeon

Levi Strauss & CO. 1155 Battery Street

San Francisco, California 94111

USA

Tel: +1.415.501.6523 Fax: +1.415.501.7691 E-mail: epidgeon@levi.com

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Appendix 2: **Definitions**

<u>Accessories</u>—Products other than typical pants and shirts. Accessories can include both apparel and non-apparel products such as belts, caps, shoes, handbags, gloves, socks, scarves, eyewear, watches, home textile products, and wallets. The examples covered here are neither exhaustive nor all inclusive; they simply provide examples of products defined as accessories. All accessories are covered by LS&CO.'s RSL.

<u>Allowable Trace (TR)</u>—Identified by the TR designation in the Limit Value column. The trace amount represents the permitted unavoidable trace presence of a substance that is allowed to be found on the garment when the substance has been prohibited from use.

<u>Chemical Abstract Service (CAS) Number</u>—A unique number that identifies a particular chemical structure. While there may be various synonyms for a chemical and different naming conventions, there is only one CAS number. Mixtures of chemicals do not have CAS numbers, only individual chemical components have CAS numbers. When there is doubt about the chemical name used in the RSL, always check the CAS number.

<u>Children's Products</u>—An article which is designed for or intended primarily for use by children age 12 and under. All Girls size 0–16 and Boys size 8–20 are presumptively included within this definition of children's products.

<u>Concentration Limit</u>—The concentration limit is set for each substance as measured on the final product and represents the maximum allowable amount of the respective substance which can be found in a RSL compliant product. The concentration limit is shown in the Limit Value column. The limit is specified as the amount of the substance on the amount of substrate, by weight (e.g., milligrams substance per kilogram of product [mg/kg]). Concentration limits are applicable to any single part of a garment or accessory, not an average over the whole product. If the limit is given for a group of substance with various CAS numbers, the concentration should be calculated on basic substance of the group generally given with its name in the name column.

For example, with regard to methylene diphenyl diisocyanates (with isomers, homologs, oligomers and polymers), all MDI type isocyanates must be measured and calculated to the monomer 4,4'-methylenediphenyl diisocyanate). Another example is the metals which may be present in the apparels in the form of several salts which are measured together and must be calculated as the elemental metal content. On the other hand, sometimes the analytical method measures a substance containing many chemicals. For example, measuring the tin content with ICP gives the summary for the elemental tin content as well as several dialkyl tin carboxylates. In other cases the analytical method gives results for a pure chemical which may be added to the product only as a component of a mixture or a constituent of a substance, e.g. phthalates.

<u>Detection Limit</u>—Specifies the test method detection sensitivity that a laboratory must be able to achieve when measuring the substance in the product.

LS&CO. Product(s)—LS&CO. final products covered by the RSL include all LS&CO. branded products, including Levi's®, Dockers®, dENiZEN™ and Signature by Levi Strauss & CO.™ products as well as LS&CO distributed products. LS&CO. Products include those sourced directly by LS&CO., products sourced by an agent, and those designed and sourced by our licensee partners.

Definitions (continued)

Non-Apparel Products—Products that are made from materials other than fabric or leather. Some products included in non-apparel products are mobile phones, home furnishings, ties, hats, watches, jewelry, eyewear, and electronics. All non-apparel products are covered by LS&CO.'s RSL.

<u>Polyvinyl Chloride (PVC)</u>—Polyvinyl chloride, or PVC for short, is a hard plastic that may be found in packaging materials, flashers, and screen printing. PVC is prohibited for use in packaging for all LS&CO. products. Alternatives to PVC packaging include polyurethane (PU), polyethylene (PE), and polyethylene terephthalate (PET). In addition, PVC screen printing, which utilizes phthalates, is prohibited for products.

Preparation—A mixture or solution composed of two or more substances.

Reporting Limit (RL)—The lowest concentration the laboratory is allowed to report. If the laboratory detects an amount of the substance below the RL, the laboratory report must state "Not Detected."

<u>Source(s)</u>—Business partners of **Suppliers** that provide Materials, Chemicals and Other Goods for direct or eventual use in fabricating, manufacturing or other processing of LS&CO. labeled and/or distributed apparel, accessories, and other products.

<u>Substance</u>—A chemical element and its compounds in the natural state or obtained by any manufacturing process, including any additive necessary to preserve its stability and any impurity deriving from the process used but excluding any solvent which may be separated without affecting the stability of the substance or changing its composition.

<u>Sundries</u>—Items that are permanently attached to the garment or footwear and may include zippers, rivets, buttons, care labels, name labels, and tags.

<u>Supplier(s)</u>—Factories and other businesses, including licensees, that contract with LS&CO. to produce finished products, apparel, accessories and other products for LS&CO. Suppliers may also contract with Sources for Materials, Chemicals and Other Goods for direct or eventual use in fabricating, manufacturing or other processing of LS&CO. labeled and/or distributed apparel, accessories and other products.

<u>Usage Ban</u>—A prohibition of any use of the substance during any and all stages of product manufacturing. However, the RSL identifies an allowable trace amount of some substances due to unavoidable contamination.

Appendix 3: Product Testing & Data Management

Product Testing

LS&CO. currently maintains various product testing programs to validate RSL compliance. Notwithstanding LS&CO.'s testing programs, the Suppliers and Sources are fully responsible for obtaining all necessary knowledge and information required to understand and execute business processes that ensure RSL compliance. The Suppliers and Sources are also responsible for performing analytical testing on Materials, Chemicals and Other Goods to verify their compliance to all RSL requirements. The Suppliers and Sources must test products only at LS&CO. approved laboratories (Appendix 6).

As a general matter, Materials, Chemicals and Other Goods should be tested as indicated in the following tables. Table A provides general testing guidance based on material type. Table B provides general testing guidance based on finish type; Table C provides general testing guidance for screen prints. Table D provides general testing guidance for footwear material. Given the risk that a particular Source or Supplier might use an unanticipated ingredient in the formulation, manufacture or processing of any given type of Materials, Chemicals and Other Goods, these tables necessarily suggest, but do not definitively prescribe the tests necessary to ensure compliance with the RSL. It is the Source's and Supplier's absolute and non-delegable duty to ensure compliance with the RSL. Moreover, LS&CO. may at any time require additional testing to validate compliance with the RSL. All costs associated with testing are the responsibility of the Suppliers and Sources.

Table A: RSL Testing Guide Based on Material Type

	Natural textile	Synthetic textile	Natural leather	Non-metallic embellishment and trims	Metallic embellishment and trims	Jewelry
Aromatic Amines	Х	X	X	X		
Disperse Dyes		X		X		
Other Dyes	Х	X	X	X		
Isocyanates	X ⁵²	X ⁵³	X 54	X ⁵⁵		
Chromium (VI)	X ⁵⁶		Х	X ⁵⁷		
Total Cadmium			X	Х	X	X
Total Lead			Х	X	X	X
Nickel Release ⁵⁸					Х	Х
Formaldehyde	Х	Х	Х	Х		
Phthalates	X ⁵⁹	X ⁶⁰		X ⁶¹	X ⁶²	
Organotins				X 63		
PCP/TeCP/TriCP/ Dimethylfumarate	Х		X			
Chlorinated Paraffins			Х	X 64		
APE0s	Х	Х	X	X		

X indicates applicable test

Table B: RSL Testing Guide Based on Finish/Coating Type

	Resin / Easy Care	Tinted	Overdye	Coating
Aromatic Amines		X	X	X
Other Dyes			X	X
Isocyanates	X			X
Metals		X	X	X
Formaldehyde	X	X	X	X
Organotins	X			X
Phthalates				X
APE0s	X	X	X	X

X indicates applicable test (also depending on the chemical used in the recipes)

- 52 Testing is applicable for natural textiles with PU coating or use of PU cross-linkers.
- Testing is applicable for synthetic textiles with PU coating or use of PU cross-linkers.
- Testing is applicable for natural leather with PU coating or use of PU cross-linkers. If natural leather without PU coating or use of PU cross-linkers, then isocyanates and phthalates tests are not required.
- 55 Testing is applicable for PU materials, foam or PU cross-linkers.
- Testing is applicable for wool with use of acid dyes.
- 57 Testing is applicable for leather materials.
- 58 For metal components with direct and prolonged skin contact.
- 59 Testing is applicable for coated natural textiles.
- 60 Testing is applicable for coated synthetic textiles.
- 61 Testing is applicable for plastics, synthetic leather (like PU), surface coating and lacquered embellishments and trims.
- 62 Testing is applicable for all lacquered and surface coated metallic embellishments and trims.
- 63 Testing is applicable for plastics, synthetic leather (like PU), rubber, adhesives.
- 64 Testing is applicable for leather materials.

Table C: RSL Testing Guide Based on Print Type

	Plastisol/ Glitter/Puff/ Foil/Digital/ Graphics Prints	Water-base Prints	Flock Prints	Heat Transfer
Aromatic Amines	X	X	X	
Total Cadmium	X	X	X	X
Total Lead	X	X	X	X
Formaldehyde	X	X	X	X
Organotins	X			X
Isocyanates ⁶⁵	X			
Phthalates ⁶⁶	X		X	X
APE0s	X	X	X	

X indicates applicable test

⁶⁵ Testing is applicable for PU coating or use of PU cross-linkers.

⁶⁶ All plastisol prints must be phthalates and PVC free.

Table D: RSL Testing Guide Based on Footwear Material

									:
	Natural	Synthetic	Blended	Natural	Synthetic	PU coated natural	Foam	Plastics	Metallic embellishment
	textile	textile	textile	leather	leather	leather		(Including sole)	and trims
Aromatic Amines	×	×	×	×	×	×			
Disperse Dyes		×	×						
Other Dyes	×	×	×	×					
PCP/TeCP/TriCP / Dimethylfumarate	×		×	×		×			
N,N-Dimethylformamide							×		
lsocyanates ⁶⁷					×	×	×	×	
Chromium (VI)				×		×			
Total Cadmium				×	×	×		×	×
Total Lead				×	×	×		×	×
Nickel Release									X 68
Formaldehyde	×	×	×	×	×	×		×	
Phthalates					×	×		X 69	X 70
Extractable Heavy Metals	×	×	×	×	×	×			
РАН								×	
Organotins					×	×		X ⁷¹	
N-nitrosamines								×	
APEOs	×	×	×	×	×	×			

Testing is applicable for PU materials or use of PU cross-linkers.

For metal components with direct and prolonged skin contact (e.g., grommet).

Testing is applicable for plastics, rubber, adhesives.

Applicable for lacquered or surface coated metal items.

Testing is applicable for plastics, rubber, adhesives. 67 68 69 70 71

RSL Test Data Management

LS&CO. is using database C*Insight as a tool to manage RSL testing data. It is mandatory for all third party laboratories, approved for performing LS&CO. Restricted Substances List (RSL) tests, to upload all test data to this database (C*Insight).

Once the data are uploaded, each laboratory must use this database to generate the LS&CO. RSL Test Report (Technical Report) for RSL testing performed by this lab.

It is mandatory that all approved labs register at https://secure7.cinsight.net/rsl-levis/login.do for access to this database.

The laboratory may contact the appropriate regional product safety representative as identified in Appendix 1 for the instruction manual or for any further information.



Appendix 4: Azo Dyes which, through reductive cleavage, may form restricted substances (amines)

Dye Name Color Index #	CAS Number (if available)	Dye Name Color Index #	CAS Number (if available)	Dye Name Color Index #	CAS Number (if available)
Acid Black 29	12217-14-0	Direct Blue 8	2429-71-2	Direct Orange 6	6637-88-3
Acid Black 94	6358-80-1	Direct Blue 9	No CAS number	Direct Orange 7	2868-76-0
Acid Black 131	12219-01-1	Direct Blue 10	4198-19-0	Direct Orange 8	64083-59-6
Acid Black 132	12219-02-2	Direct Blue 14	72-57-1	Direct Orange 10	6405-94-3
Acid Black 209	No CAS number	Direct Blue 15	2429-74-5	Direct Orange 108	No CAS number
Acid Brown 415	No CAS number	Direct Blue 22	2586-57-4	Direct Red 1	25188-24-3
Acid Orange 24	1320-07-6	Direct Blue 25	25180-27-2	Direct Red 2	992-59-6
Acid Orange 45	2429-80-3	Direct Blue 35	No CAS number	Direct Red 7	No CAS number
Acid Red 4	5858-39-9	Direct Blue 53	314-13-6	Direct Red 10	25188-29-8
Acid Red 5	No CAS number	Direct Blue 76	16143-79-6	Direct Red 13	25188-30-1
Acid Red 24	No CAS number	Direct Blue 151	110735-25-6	Direct Red 17	No CAS number
Acid Red 73	5413-75-2	Direct Blue 160	No CAS number	Direct Red 21	6406-01-5
Acid Red 85	3567-65-5	Direct Blue 173	No CAS number	Direct Red 22	No CAS number
Acid Red 114	6459-94-5	Direct Blue 192	159202-76-3	Direct Red 24	No CAS number
Acid Red 115	No CAS number	Direct Blue 201	60800-55-7	Direct Red 26	No CAS number
Acid Red 116	No CAS number	Direct Blue 215	6771-80-8	Direct Red 28	573-58-0
Acid Red 128	6548-30-7	Direct Blue 295	6420-22-0	Direct Red 37	3530-19-6
Acid Red 148	No CAS number	Direct Brown 1	3811-71-0	Direct Red 39	6358-29-8
Acid Red 150	No CAS number	Direct Brown 1:2	2586-58-5	Direct Red 44	6548-29-4
Acid Red 158	8004-55-5	Direct Brown 2	25255-06-5	Direct Red 46	2302-97-8
Acid Red 167	No CAS number	Direct Brown 6	25180-39-6	Direct Red 62	No CAS number
Acid Red 264	No CAS number	Direct Brown 25	33363-87-0	Direct Red 67	No CAS number
Acid Red 265	6358-43-6	Direct Brown 27	No CAS number	Direct Red 72	8005-64-9
Acid Red 420	No CAS number	Direct Brown 31	25180-41-0	Direct Violet 1	25188-44-7
Acid Violet 12	6625-46-3	Direct Brown 33	No CAS number	Direct Violet 12	2429-75-6
Acid Violet 49	1694-09-3	Direct Brown 51	No CAS number	Direct Violet 21	No CAS number
Basic Brown 4	5421-66-9	Direct Brown 59	6247-51-4	Direct Violet 22	25329-82-2
Basic Red 42	No CAS number	Direct Brown 79	6483-77-8	Direct Yellow 1	No CAS number
Basic Red 111	113741-92-7	Direct Brown 95	16071-86-6	Direct Yellow 24	6486-29-9
Direct Black 4	25156-49-4	Direct Brown 101	No CAS number	Direct Yellow 48	No CAS number
Direct Black 29	No CAS number	Direct Brown 154	6360-54-9	Disperse Orange 149	85136-74-9
Direct Black 38	1937-37-7	Direct Brown 222	No CAS number	Disperse Red 151	No CAS number
Direct Black 91	6739-62-4	Direct Green 1	3626-28-6	Disperse Yellow 7	6300-37-4
Direct Black 154	54804-85-2	Direct Green 6	4335-09-5	Disperse Yellow 23	6250-22-3
Direct Blue 1	3814-14-3	Direct Green 8	25180-47-6	Disperse Yellow 56	54077-16-6
Direct Blue 2	2429-73-4	Direct Green 8:1	No CAS number	Solvent Orange 7	3118-98-6
Direct Blue 3	No CAS number	Direct Green 85	72390-60-4	Solvent Red 19	6368-72-5
Direct Blue 6	2602-46-2	Direct Orange 1	54579-28-1	Solvent Red 23	85-86-9

Appendix 5: Colorants which, through reductive cleavage, may form restricted substances (amines)

Colorant Name	CAS Number (if available)	C.I. Number
Permanent Brown B	No CAS number	12800
Pigment Blue 25	10127-03-4	21180
Pigment Blue	5437-88-7	21185
Pigment Chrome Yellow L Paste	No CAS number	12720
Pigment Green 10	51931-46-5	12775
Pigment Orange 3	No CAS number	12105
Pigment Orange 13	3520-72-7	21110
Pigment Orange 14	No CAS number	21165
Pigment Orange 15	6358-88-9	21130
Pigment Orange 16	6505-28-8	21160
Pigment Orange 34	15793-73-4	21115
Pigment Orange 44	17457-73-5	21162
Pigment Orange 50	No CAS number	21070
Pigment Orange 63	No CAS number	21164
Pigment Red 7	6471-51-8	12420
Pigment Red 8	6410-30-6	12335
Pigment Red 17	6655-84-1	12390
Pigment Red 22	6448-95-9	12315
Pigment Red 37	6883-91-6	21205
Pigment Red 38	6358-87-8	21120
Pigment Red 39	No CAS number	21080

Colorant Name	CAS Number (if available)	C.I. Number
Pigment Red 41	No CAS number	21200
Pigment Red 42	6358-90-3	21210
Pigment Red 114	6358-47-0	12351
Pigment Red 162	No CAS number	12431
Pigment Yellow 12	6358-85-6	21090
Pigment Yellow 13	5102-83-0	21100
Pigment Yellow 14	5468-75-7	21095
Pigment Yellow 17	4531-49-1	21105
Pigment Yellow 49	15110-84-6	11765
Pigment Yellow 55	6358-37-8	21096
Pigment Yellow 63	14569-54-1	21091
Pigment Yellow 87	No CAS number	21107:1
Pigment Yellow 114	71872-66-7	21092
Pigment Yellow 126	90268-23-8	21101
Pigment Yellow 127	68610-86-6	21102
Pigment Yellow 152	20139-66-6	21111
Pigment Yellow 170	31775-16-3	21104
Pigment Yellow 171	53815-04-6	21106
Pigment Yellow 172	No CAS number	21109
Pigment Yellow 174	78952-72-4	21098
Pigment Yellow 176	90268-24-9	21103
Pigment Yellow 188	23792-68-9	21094

Azo Dyes without CAS Numbers						
Acid Black 209		Direct Blue 160		Direct Violet 21		
Acid Brown 415		Direct Blue 173		Direct Yellow 1		
Acid Red 5		Direct Brown 27		Direct Yellow 48		
Acid Red 24		Direct Brown 33		Disperse Red 151		
Acid Red 115		Direct Brown 51		Permanent Brown B		
Acid Red 116		Direct Brown 101		Pigment Chrome		
Acid Red 148		Direct Brown 222		Yellow L Paste		
Acid Red 150		Direct Green 8:1		Pigment Orange 3		
Acid Red 167		Direct Orange 108		Pigment Orange 14		
Acid Red 264		Direct Red 7		Pigment Orange 50		
Acid Red 420		Direct Red 17		Pigment Orange 63		
Basic Red 42		Direct Red 22		Pigment Red 39		
Direct Black 29		Direct Red 24		Pigment Red 41		
Direct Blue 3		Direct Red 26		Pigment Red 162		
Direct Blue 9		Direct Red 62		Pigment Yellow 87		
Direct Blue 35		Direct Red 67		Pigment Yellow 172		

Appendix 6: Approved Laboratories & RSL Data Management

Modern Testing Services (Global) Ltd—Hong Kong

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BV CPS Test Laboratuvarlari Ltd. Sti.

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Note: Some of the testing laboratories are not capable of performing some individual tests (such as monomers/isocyanates, etc). It is recommended to check capability of selected laboratory for all required tests for submitted sample(s). Please contact a LS&CO. regional RSL representative if there are any questions.

