

LEVI STRAUSS & CO.

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- Dockers®
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Restricted Substances List ("RSL")

November 2013

Concerning Materials, Parts, Chemicals, Components, Packaging, and Other Goods (including Sundries)

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

Issue: November 2013

Supersedes all previous versions.
Applicable for products for S1:2015 Season and thereafter.

Introduction

LS&Co. is committed to conduct 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.

Restricted Substances List

The objectives of the LS&Co. RSL (November 2013) are to:

- (a) Ensure that materials, chemicals, parts and other goods, used or supplied in the manufacture of LS&Co.-labeled and distributed products, as well as the finished products themselves, comply with the applicable chemical content and chemical exposure laws of every governmental jurisdiction in which those products are manufactured or distributed; and
- (b) Protect the health and safety of consumers and others handling LS&Co.'s finished products.

Application

The RSL applies to all of LS&Co.'s finished products, including apparel, non-apparel, footwear, accessories, and other products. The RSL also applies to all materials, parts, chemicals, and other goods (including sundries) supplied or used in producing LS&Co. apparel, accessories, and other finished products.¹ While the RSL does not restrict the use of or specifically limit the concentration of chemicals used during the manufacturing process, LS&Co. requires that parts, other goods, and finished products provided by Suppliers and Sources (as defined on the next page) 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 a testing program in which compliance is assessed based on comparison of the testing results against the LVFP limits.

In addition, Suppliers and Sources must ensure that the chemicals used or supplied in the manufacture of LS&Co.-labeled and distributed products are used in a manner consistent with the requirements of the chemical Supplier or other applicable chemical usage requirements.

As noted above, 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 materials, parts, chemicals, packaging and other goods, supplied or distributed to produce LS&Co. apparel, accessories, and other products. Suppliers are responsible for ensuring that all Sources supply or otherwise deliver to Suppliers materials, parts, chemicals, packaging, 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 local jurisdiction in which they are to be used, manufactured, 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 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 provide supplementary guidance to assist our 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 these requirements, and communicate the information to their internal teams. This November 2013 RSL supersedes all prior versions of the LS&Co. RSL.

Throughout this document, references are made to Supplier(s) and Source(s). LS&Co. define them for the purposes of the November 2013 RSL as follows:

Supplier(s) are defined as factories and other businesses that contract with LS&Co. to produce finished products, apparel, accessories and other products for LS&Co. Suppliers may also contract with Sources for raw materials, parts, chemicals, packaging, and/or components for LS&Co. apparel, accessories, and other products.

Source(s) are defined as business partners of Suppliers that provide raw materials, parts, chemicals, packaging, and/or components for LS&Co. apparel, accessories, and other products.

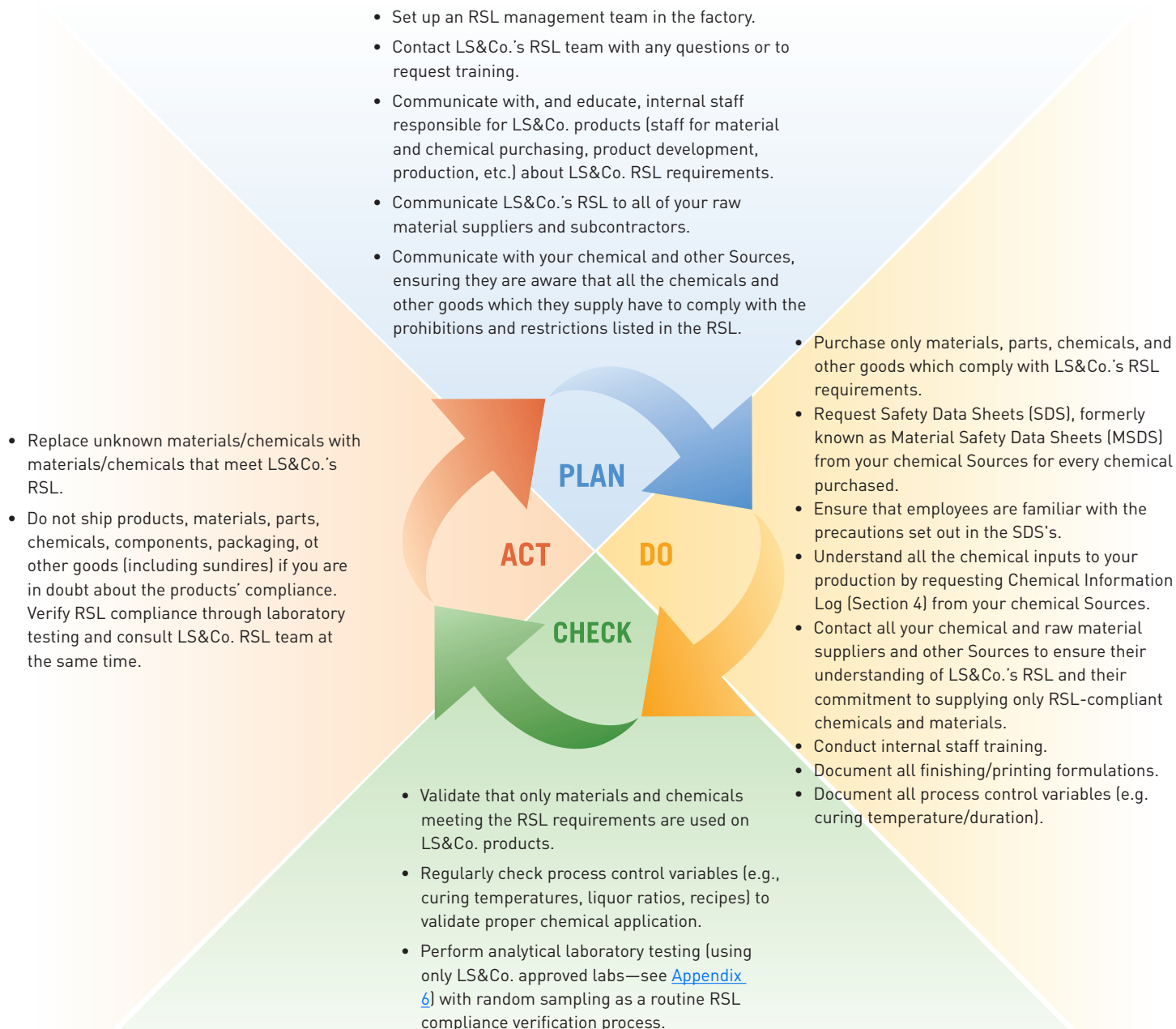
For a glossary of other terms found in this November 2013 RSL, please see Appendix 2 on pages 24–25.

Suppliers' and Sources' Commitment

Each Supplier or Source of materials, chemicals, parts, packaging, and finished goods (a) to LS&Co., and (b) to any LS&Co. contractor when the materials, chemicals, parts, and other goods will be used during the production or sale of a LS&Co.-distributed product represents and warrants that each of its materials, chemicals, parts, packaging, and other goods complies with all provisions of the RSL (including, but not limited to, the RSL's prohibitions, restrictions, and other requirements). Supplier will indemnify and hold LS&Co. harmless from any 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 product standards. Compliance with LS&Co.'s RSL product standards is a mandatory condition in each and every order placed by LS&Co.

Suppliers' Management System Approach Supporting RSL Compliance at the Factory



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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 LS&Co. products—including all materials, parts, chemicals², and other goods—supplied or used in LS&Co. products. Each Supplier of materials, chemicals, parts, and other goods—(a) to LS&Co. and (b) to any LS&Co. contractor when the materials, chemicals, parts, and other goods will be used during the manufacture or sale of a LS&Co. distributed product—represents and warrants that each of its materials, chemicals, parts, and other goods complies with all provisions of the RSL (including, but not limited to, the RSL's prohibitions, restrictions, and other requirements) and that the Supplier will indemnify and hold LS&Co. harmless from any claim, 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 LS&Co. approved laboratory are given for each substance.

LS&Co. may test materials, parts, chemicals, and other goods for these substances. LS&Co. Suppliers and other contractors 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. apparel, accessory, or other product.

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

The substances listed in the RSL are based in large part on global legislation regulating chemicals usage in the manufacturing of apparel products. The European Union has developed the "Regulation Concerning the Registration, Evaluation, Authorization and Restriction of Chemicals," or REACH, which is aimed at ensuring a high level of 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, Indonesia, 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 potential 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 in this RSL, in REACH, and the applicable laws of each country and local jurisdiction in which the Supplier and Source conducts business.

2 Compliance with the RSL's "Limit Values Final Product" (LVFP) will be checked on final LS&Co. products.

A. Aromatic Amines from Azo Dyes³

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) ⁴ | Test Method ⁵ |
|--|------------|---|---|
| 4-Aminoazobenzene ⁶ | 60-09-3 | Not Detected | <p>Products for all markets except China:</p> <p><u>Textiles (natural & synthetic):</u> EN 14362-1</p> <p><u>Natural leather:</u> ISO 17234-1 [RL=20]</p> <p>Products for China market: China Standard: GB18401</p> <p><u>Textiles:</u> GB/T 17592</p> <p>China Standard: GB20400</p> <p><u>Natural leather:</u> GB/T 19942 [RL=20]</p> |
| <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 | | |
| 4-Chloro- <i>o</i> -toluidine | 95-69-2 | | |
| <i>p</i> -Cresidine | 120-71-8 | | |
| 2,4-Diaminoanisole | 615-05-4 | | |
| 4,4'-Diamino-diphenylmethane | 101-77-9 | | |
| 3,3'-Dichlorobenzidine ⁷ | 91-94-1 | | |
| 3,3'-Dimethoxybenzidine | 119-90-4 | | |
| 3,3'-Dimethylbenzidine | 119-93-7 | | |
| 3,3'-Dimethyl-4,4'-diamino-diphenylmethane | 838-88-0 | | |
| 4,4'-Methylene-bis-(2-chloraniline) | 101-14-4 | | |
| 2-Naphthylamine | 91-59-8 | | |
| 4,4'-Oxydianiline | 101-80-4 | | |
| 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 | | |

³ See Appendices 4 and 5 for a partial list of azo dyes and pigments which, through reductive cleavage, may form restricted substances (amines).

⁴ Any reference to the term "Not Detected" indicates that the substance must not be detected in the final product.

⁵ 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").

⁶ Use test method §64 LFBG 82.02.9, EN14362-3, or GB/T 23344 for analysis of 4-Aminoazobenzene.

⁷ 3,3'-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 avoided.**

B. Disperse Dyes and Other Dyes

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|----------------------------|-----------------------------|--|--|
| DISPERSE DYES | | Not Detected | DIN 54231 ⁸ Units in mg/l [RL=5] |
| 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 | | |
| 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 | | |
| Disperse Orange 149 | 85136-74-9 | | |
| Disperse Red 1 | 2872-52-8 | | |
| 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 DYES | | | |
| 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 | | |
| Direct Red 28 | 573-58-0 | | |
| Blue Colorant ⁹ | Not Allocated ¹⁰ | Not Detected [TR=1000] | Extraction in solvent and detection with HPLC-DAD |

⁸ The result for test method DIN 54231 is reported in milligrams of dye per liter of extract.

⁹ 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-naphtholato)chromate(1-) -CAS Number 118685-33-9 and trisodium bis(6-(4-anisidino)-3-sulfonato-2-[3,5-dinitro-2-oxidophenylazo]-1-naphtholato)chromate(1-).

¹⁰ No allocated CAS number. (Blue colorant: CAS Number not allocated, Index number 611-070-00-2, EC number 405-665-4). EU Directive 93/32/EEC, 7th Amendment to Directive 67/548/EEC.

C. Biocides¹¹

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|--|--|--|---|
| Dimethyl fumarate | 624-49-7 | Usage Ban [TR=0.1] | Solvent extraction / GC-MS, LC-MS for confirmation |
| <i>o</i> -Phenylphenol (OPP) | 90-43-7 | 50 | |
| Sensitizing Isothiazolinones | 26530-20-1 26172-55-4 2682-20-4 | 50 | |
| Pentachlorophenol (PCP) | 87-86-5 | Not Detected | §64 LFGB 82.02.8 ¹² [RL=0.5] |
| Tetrachlorophenol (TeCP) 2,3,4,5 TetraCP 2,3,4,6 TetraCP 2,3,5,6 TetraCP | 4901-51-3 58-90-2 935-95-5 | | |
| Trichlorophenols (TriCP) 2,4,6 TriCP 2,3,6 TriCP 2,3,5 TriCP 2,4,5 TriCP 2,3,4 TriCP 3,4,5 TriCP | 88-06-2 933-75-5 933-78-8 95-95-4 15950-66-0 609-19-8 | | |

D. Chlorinated Aromatics

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|------------------------------------|------------|--|-------------|
| Chlorinated benzenes ¹⁴ | Various | Usage Ban [TR=10] | DIN 54232 |
| Chlorinated toluenes ¹⁵ | Various | Usage Ban [TR=1] | |

¹¹ Any biocide use requires LS&Co.'s prior approval.

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

¹³ EXCEPTION: TriCP analysis for leather substrates requires test method ISO 17070.

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).

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: Solvent extraction / HPLC |
| Hexamethylene diisocyanate (HDI) | 822-06-0 | Free: 1 Blocked: 50 | |
| Isophorone diisocyanate (IPDI) | 4098-71-9 | Free: 1 Blocked: 100 | Analysis of releasable (blocked) isocyanates: Solvent extraction / GC-MS with injector block temperature at 300°C, confirmation at 180°C. |
| Tetramethylxylene diisocyanate (TMXDI) | 2778-42-9 | Free: 1 Blocked: 100 | |
| Toluene diisocyanate (TDI) ¹⁸ | 584-84-9 91-08-7 | Free: 1 Blocked: 15 | |

F. Flame Retardants¹⁹

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|--|-------------------------|---|--|
| Hexabromocyclododecane ²⁰ (HBCDD) | 25637-99-4 3194-55-6 | Usage Ban [TR=5] | Solvent extraction / GC-MS |
| Polybrominated biphenyls (PBBs) | Various | | |
| Penta-bromodiphenyl ether (pentaBDE) | 32534-81-9 | | |
| Octa-bromodiphenyl ether (octaBDE) | 32536-52-0 | | |
| Deca-bromodiphenyl ether (decaBDE) | 1163-19-5 | | |
| Tri- <i>o</i> -cresyl phosphate | 78-30-8 | | |
| Tris (2,3-dibromopropyl) phosphate (TRIS) | 126-72-7 | | |
| Bis (2,3-dibromopropyl) phosphate | 5412-25-9 | | |
| Tris (1-aziridiny)-phosphine oxide (TEPA) | 545-55-1 | | KOH digestion / headspace analysis of ethyleneimine fragment by GC-MS |

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. Metals^{21,22}

| Restrictions for Textiles and Leather (Artificial, Natural & Coated) | | | |
|--|------------|---|--|
| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
| Total Digestion Metal Content^{23,24} | | | |
| Cadmium (Cd) | 7440-43-9 | Usage Ban [TR=100] | EN 1122 |
| Lead (Pb) | 7439-92-1 | Usage Ban [TR=90] | CPSC-CH-E1002-08 Modified EPA 5051 / ICP-MS Modified ASTM E1613-04 CPSC-CH-E1003-09 |
| Extractable Metal Content | | | |
| Antimony (Sb) | 7440-36-0 | 30 | Extraction in acidic perspiration as per EN ISO 105-E04 / ICP-MS |
| Arsenic (As) | 7440-38-2 | Usage Ban [TR=0.2] | |
| Cadmium (Cd) | 7440-43-9 | Usage Ban [TR=0.1] | |
| Chromium (Cr)-total ²⁵ | 7440-47-3 | 1 | |
| Cobalt (Co) | 7440-48-4 | 1 | |
| Copper (Cu) | 7440-50-8 | 25 | |
| Lead (Pb) | 7439-92-1 | Usage Ban [TR=0.2] | |
| Mercury (Hg) | 7439-97-6 | Usage Ban [TR=0.02] | |
| Nickel (Ni) ²⁶ | 7440-02-0 | 1 | ISO 17075 (RL=3) |
| Chromium (Cr ⁺⁶) - hexavalent ²⁷ | 18540-29-9 | Not Detected | |

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).

22 The concentration is calculated at element level.

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

24 Applicable for Leather (artificial, natural, and coated) only.

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

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

27 Chromium (Cr⁺⁶)-hexavalent restriction is applicable only for Natural & Coated 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 Jewelry²⁸ (Children²⁹ & Adult)

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---|------------|---|---|
| Total Digestion Metal Content | | | |
| Cadmium (Cd) | 7440-43-9 | 100 | EN 1122 |
| Lead (Pb)—surface coating and substrate | 7439-92-1 | 90 | CPSC-CH-E1002-08 Modified EPA 5051 / ICP-MS Modified ASTM E1613 CPSC-CH-E1003-09 |
| Releaseable Metal Content | | | |
| Nickel (Ni) ³⁰ | 7440-02-0 | 0.5 µg/cm ² /week 0.2 µg/cm ² /week (pierced part) | EN 1811 ³¹ |
| Extractable Metal Content³² | | | |
| Antimony (Sb) | 7440-36-0 | 60 | ASTM F963 |
| Arsenic (As) | 7440-38-2 | 25 | |
| Barium (Ba) | 7440-39-3 | 1000 | |
| Cadmium (Cd) | 7440-43-9 | Not Detected [RL=5] | |
| Chromium (Cr)—total | 7440-47-3 | 60 | |
| Mercury (Hg) | 7439-97-6 | 60 | |
| Selenium (Se) | 7782-49-2 | 500 | |

H. Organotin Compounds

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|--|------------|---|--|
| Mono-, Di- & Tri-butyltin derivatives | Various | Usage Ban [TR=1] (Sum of all) | Ethanol extraction + ISO 17353 [RL=0.05] |
| Mono-, Di- & Tri-methyltin derivatives | | | |
| Mono-, Di- & Tri-phenyltin derivatives | | | |
| Mono-, Di- & Tri-octyltin derivatives | | | |

²⁸ Jewelry includes stones and crystals. Man-made leaded crystals are prohibited from use on any children's products.

²⁹ Children's products are defined as products designed and marketed for children age 12 and below.

³⁰ Applicable to metallic parts when the metallic part surface has direct and prolonged skin contact.

³¹ 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.

³² Extractable Metal Content Restrictions applicable for sundries and jewelry for children only.

I. Solvents

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|--|------------|---|--|
| Benzene | 71-43-2 | Usage Ban [TR=5] | Solvent extraction / GC-MS or LC-MS |
| N,N-Dimethylformamide (DMF) | 68-12-2 | 1000 | |
| 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 | |
| N-Methylpyrrolidone (NMP) | 872-50-4 | Usage Ban [TR=10] | |
| Tetrachloroethene (Perchloroethylene) | 127-18-4 | 1 | |
| Formamide | 75-12-7 | 1000 | |
| Trichloroethylene (TCE) | 79-01-6 | 40 | |
| Toluene | 108-88-3 | Usage Ban [TR=1,000] | |

J. Phthalates

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---|----------------------------|---|--------------------|
| All esters of Ortho-phthalic acid. Including, but not limited to, the following ³³ : | | | |
| Di(ethylhexyl) phthalate (DEHP) | 117-81-7 | Usage Ban [TR=200] | CPSC-CH-C1001-09.3 |
| Di-n-octyl phthalate (DNOP) | 117-84-0 | Usage Ban [TR=500 mg/kg each phthalate; 1,000 mg/kg total phthalates including DEHP] | |
| 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 | | |
| Diethy phthalate (DEP) | 84-66-2 | | |
| Di-C6-8-branched Alkyl phthalates (DIHP) | 71888-89-6 | | |
| Di-C7-11-branched Alkyl phthalates (DHNUP) | 68515-42-4 | | |
| Di-n-hexylphthalate (DNHP) | 84-75-3 | | |
| Di-(2-methoxyethyl) phthalate (DMEP) | 117-82-8 | | |

³³ LS&Co. imposes a policy of Usage Ban for all esters of ortho-phthalic acid; however, listed phthalates are to be tested.

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 |
| Benzylchloride | 100-44-7 | 2 | |
| Ethylbenzene | 100-41-4 | 15 | |
| Chlorinated paraffins ³⁵ | Various | Usage Ban [TR=1] | |
| Formaldehyde ³⁶ | 50-00-0 | <u>Textile</u> Children: 16 Adults: 65 <u>Natural Leather</u> 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/m ²] | Solvent extraction / GC-MS or LC-MS |
| Perfluorooctanoic acid (PFOA) | Various | Usage Ban [TR=1] | |
| <i>p</i> -Phenylenediamine | 106-50-3 | 50 | |
| 2-Phenoxyethanol | 122-99-6 | 400 | |

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 short chain chlorinated paraffin from C₁₀ to C₃₀, where chlorine content 20% to 70%. Use LC-MS for C₂₀ to C₃₀.

³⁶ **EXCEPTION:** For baby products (age 0–24 months) intended for the Japanese market, the formaldehyde concentration must be below an absorbency (A–A₀) 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.

³⁸ 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.

L. Polycyclic Aromatic Hydrocarbons (PAH)

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---------------------------|------------|---|-------------------------------|
| Benzo[a]pyrene | 50-32-8 | 1 | ZEK 01.4-08/GC-MS or LC-MS |
| 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 | | |
| Chrysene | 218-01-9 | | |
| Benzo[k]fluoranthene | 207-08-9 | | |
| Acenaphthene | 83-32-9 | 10 [Sum of all PAH] | |
| Acenaphthalene | 208-96-8 | | |
| Anthracene | 120-12-7 | | |
| Benzo[ghi]perylene | 191-24-2 | | |
| Fluoranthene | 206-44-0 | | |
| Fluorene | 86-73-7 | | |
| Indeno[1,2,3-cd] pyrene | 193-39-5 | | |
| Naphthalene ³⁹ | 91-20-3 | | |
| Phenanthrene | 85-01-8 | | |
| Pyrene | 129-00-0 | | |

M. Restriction on Packaging^{40,41}

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---|------------|---|--|
| Cadmium (Cd) | 7440-43-9 | Usage Ban [TR=100 mg/kg total] | CEN/TR 13695-1 Acid digestion with ICP analysis |
| Lead (Pb) | 7439-92-1 | | |
| Chromium (Cr ⁺⁶)— hexavalent | 18540-29-9 | | |
| Mercury (Hg) | 7439-97-6 | | |
| PVC | 9002-86-2 | Usage Ban | Beilstein Test for screening, FTIR for confirmation |
| Dimethyl fumarate | 624-49-7 | Usage Ban [TR=0.1] | Solvent extraction / GC-MS, For confirmation, LC-MS |

³⁹ If GCMS screening or PAH analysis shows only naphthalene, apply limit value for final product as 25 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..

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.

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

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|----------------------------------|---|---|---|
| NP & OP | Various incl. 104-40-5 & 140-66-9 | Usage Ban [TR=50 (sum of all)] | Extraction in Methanol; detection and quantification by LC-MS |
| NPEO & OPEO (EO) ₁₋₁₅ | Various | Usage Ban [TR= 250 (sum of all)] | |

O. RoHS⁴²—Electrical and Electronic Equipment

| Chemical Substance ⁴³ | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---|------------|---|--|
| Cadmium (Cd) | 7440-43-9 | 100 | RoHS Directive (2002/95/EC) 111/54/CDV: IEC 62321, Ed. 3 |
| Chromium (Cr ⁺⁶)— hexavalent | 18540-29-9 | 1000 for each substance | |
| Lead (Pb) | 7439-92-1 | | |
| Mercury (Hg) | 7439-97-6 | | |
| Polybrominated biphenyls (PBBs) | Various | | |
| Polybrominated diphenyl ethers (PBDE) | Various | | |

P. N-Nitrosamines

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---------------------------|------------|---|------------------------------|
| N-Nitrosodimethylamine | 62-75-9 | Usage Ban [TR=50 (sum of all)] | GB/T24153-2009 ⁴⁴ |
| N-Nitrosodiethylamine | 55-18-5 | | |
| N-Nitrosodipropylamine | 621-64-7 | | |
| N-Nitrosodibutylamine | 924-16-3 | | |
| N-Nitrosopiperidine | 100-75-4 | | |
| N-Nitrosopyrrolidine | 930-55-2 | | |
| N-Nitrosomorpholine | 59-89-2 | | |
| N-Nitroso-N-methylaniline | 614-00-6 | | |
| N-Nitroso-N-ethylaniline | 612-64-6 | | |

⁴² RoHS refers to the **R**estriction of the use of certain **H**azardous **S**ubstances 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.

⁴⁴ [GB25038-2010](#) "Rubber Shoes Health and Safety Specifications" and GB25036-2010 "Children's Canvas Rubber Footwear (Shoes)"

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, parts, chemicals, and other goods supplied for the production of LS&Co. apparel, accessories, or other products.

Purpose

The purpose of this section is to identify substances not commonly found in apparel, footwear, non-apparel, accessories, or other products but are nonetheless restricted from LS&Co. products. As with *Section 1*, this section notes whether each listed substance is prohibited or limited 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 | Unavoidable traces acceptable up to 1 µg/kg for Group 1 | U.S. EPA Method 8290 |
| 1,2,3,7,8-Pentachloro-dibenzo- <i>p</i> -dioxin | 40321-76-4 | | |
| 2,3,7,8-Tetrachlorodibenzofuran | 51207-31-9 | | |
| 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 | Unavoidable traces acceptable up to 5 µg/kg for sum of Groups 1 & 2 | U.S. EPA Method 8290 |
| 1,2,3,7,8,9-Hexachloro-dibenzo- <i>p</i> -dioxin | 19408-74-3 | | |
| 1,2,3,6,7,8-Hexachloro-dibenzo- <i>p</i> -dioxin | 57653-85-7 | | |
| 1,2,3,7,8-Pentachlorodibenzofuran | 57117-41-6 | | |
| 1,2,3,4,7,8-Hexachlorodibenzofuran | 70648-26-9 | | |
| 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 | | |

continued on next page

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 | Unavoidable traces acceptable up to 100 µg/kg for sum of Groups 1, 2, and 3 | U.S. EPA Method 8290 |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo- <i>p</i> -dioxin | 3268-87-9 | | |
| 1,2,3,4,6,7,8-Heptachlorodibenzofuran | 67562-39-4 | | |
| 1,2,3,4,7,8,9-Heptachlorodibenzofuran | 55673-89-7 | | |
| 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 | Unavoidable traces acceptable up to 1 µg/kg for Group 4 | U.S. EPA Method 8290 |
| 1,2,3,7,8-Pentabromo-dibenzo- <i>p</i> -dioxin | 109333-34-8 | | |
| 2,3,7,8-Tetrabromodibenzofuran | 67933-57-7 | | |
| 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 traces acceptable up to 5 µg/kg for sum of Groups 4 & 5 | U.S. EPA Method 8290 |
| 1,2,3,7,8,9-Hexabromo-dibenzo- <i>p</i> -dioxin | 110999-46-7 | | |
| 1,2,3,6,7,8-Hexabromo-dibenzo- <i>p</i> -dioxin | 110999-45-6 | | |
| 1,2,3,7,8-Pentabromodibenzofuran | 107555-93-1 | | |

B. Asbestos

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

continued on next page

C. Pesticides

| Chemical Substance | CAS Number | Limit Value Final Product (mg/kg) | Test Method |
|---|------------|---|--|
| Aldicarb | 116-06-3 | Not Detected | U.S. EPA Methods: 8081A / 8151A [RL=0.5] |
| Aldrin | 309-00-2 | | |
| Chlordane | 57-74-9 | | |
| Chlordimeform | 6164-98-3 | | |
| 1,2-Dibromo-3-Chloropropane (DBCP) | 96-12-8 | | |
| <i>p,p</i> -Dichlorodiphenyl-dichloroethane (<i>p,p</i> -DDD) | 72-54-8 | | |
| <i>o,p</i> -Dichlorodiphenyl-dichloroethane (<i>o,p</i> -DDD) | 53-19-0 | | |
| <i>p,p</i> -Dichlorodiphenyl-dichloroethylene (<i>p,p</i> -DDE) | 72-55-9 | | |
| <i>o,p</i> -Dichlorodiphenyl-dichloroethylene (<i>o,p</i> -DDE) | 3424-82-6 | | |
| <i>p,p</i> -Dichlorodiphenyl-trichloroethane (<i>p,p</i> -DDT) | 50-29-3 | | |
| <i>o,p</i> -Dichlorodiphenyl-trichloroethane (<i>o,p</i> -DDT) ⁴⁵ | 789-02-6 | | |
| 2,4-Dichlorophenoxy-acetic acid, its salts and compounds ⁴⁶ | 97-75-7 | | |
| 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 | | |

continued on next page

⁴⁵ Amount to be calculated on the free acid.

⁴⁶ Different salts and compounds of 2,4-Dichlorophenoxy-acetic acid with various CAS numbers. Amount to be calculated on the free acid.

⁴⁷ 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

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

continued on next page

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] | Solvent extraction / GC-MS |
| Halogenated biphenyls, including: • Polychlorinated biphenyl (PCB) | 1336-36-3 53469-21-9 | Usage Ban [TR=1] | |
| Halogenated diarylalkanes | Various | | |
| Halogenated naphthalenes | Various | | |
| Halogenated terphenyls, including: • Polychlorinated terphenyl (PCT) | Various | | |
| Halogenated diphenyl methanes, including: • Monomethyl-dibromo- diphenyl methane ⁴⁸ • Monomethyl-dichloro- diphenyl methane ⁴⁹ • Monomethyl-tetrachloro- diphenyl methane ⁵⁰ | 99688-47-8 81161-70-8 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 | Solvent extraction / GC-MS |
| Butyl methacrylate | 97-88-1 | | |
| Ethyl acrylate | 140-88-5 | 10 | |
| Ethyl methacrylate | 97-63-2 | 50 | |
| Methyl methacrylate | 80-62-6 | | |

continued on next page

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 | Not Detected | GC-MS |
| 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 | | |
| 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 the 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 local jurisdiction in which the Supplier and Sources conduct business.

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, parts, chemicals, and other goods supplied for use in LS&Co. apparel, accessories, 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 in complying with REACH [Regulation (EC) Number 1907/2006 of the European Parliament and of the Council]. Every LS&Co. Supplier agrees to inform LS&Co. of any substances listed in the candidate or pre-candidate list in European Chemical Agency (ECHA website: www.echa.europa.eu) present in any and all products, including 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' duty to comply with the regulation.

What Suppliers 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 is obligated to track not only the current SVHCs, as listed on the ECHA website, but also the entire list of potential SVHCs⁵¹. Suppliers shall map each step in their supply chains, including the sourcing and processing of raw materials, parts, chemicals, and other product 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 Pre-candidate List" is present in the product or other materials, parts, components, packaging, or other goods (including sundries) provided for use in any LS&Co. labeled or distributed product.

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 Chemical Bureau 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, Indonesia, Vietnam and South Korea. In the United States, states—including 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 local jurisdiction in which the Supplier and Source conducts business.

Section 4: Chemical Information Log

Application

LS&Co. Suppliers must communicate with their chemical(s) Sources about the LS&Co. RSL. Suppliers must request a comprehensive **Chemical Information Log** from each and every chemical Source. Chemical Sources must review LS&Co.'s RSL to determine which substances in their preparations (chemical mixtures), if any, may violate LS&Co.'s RSL.

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

The CIL should be completed for each preparation used in the manufacture of any LS&Co. product. The CIL includes 6 columns. The first column should be completed with the chemical trade name, as indicated on product packaging documents, Safety Data Sheet (SDS) and label. For each preparation, the chemical Source shall indicate whether such chemical:

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

When a preparation contains, or may form, 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 company. It is therefore imperative to compliant product manufacturing that the chemical Source properly communicates to their customer (the product manufacturer) the existence of RSL-listed substances. Such information flow from chemical Source to product manufacturer is one way of allowing the product manufacturer to properly understand the potential for each chemical to meet the RSL requirements.

We believe the CIL allows for such information flow in a clear and concise manner.

Chemical Information Log (CIL)

For RSL–Nov 2013

Date of Log: _____

Name of Chemical Source: _____

Address of Source: _____

Instructions: If any materials, parts, chemicals, components, packaging, or other goods (including sundries) which you supply to the LS&Co. Supplier or to LS&Co. constitutes, contains, or forms any substance whose nature or concentration may exceed or cause the concentration on the product to exceed any prohibition, limitation, or other requirement in the LS&Co. RSL, 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 |
|------------|---|--|---------------|---------|------------------------------|
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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, CA 94111 USA Tel: +1.415.501.6523 Fax: +1.415.501.7691 E-mail: epidgeon@levi.com | Latin and South America Gene Croyle Levi Strauss & Co. 3249 Steven Drive Plano, Texas 75023 USA Tel: +1.972.839.2212 E-mail: gcroyle@levi.com |
| Europe, Middle East and Africa Szilard Szarvas Levi Strauss & CO. Europe Vuurberg 1831, Diegem, BELGIUM Tel: +32.2.641.6725 Fax: +32.2.641.6267 E-mail: sszarvas@levi.com | South Asia Niraj Singh Levi Strauss (India) Pvt. Ltd. Raheja Plaza, IV Floor, No. 17/1 – 1, Commissariat Road Bangalore – 560025, INDIA Tel: +91.80.4158.9741 Fax: +91.80.4112.8491 E-mail: nsingh@levi.com |
| Global Alex Ho Levi Strauss Global Trading Co. II Ltd. Level 23 Standard Chartered Tower, Millennium City 1 388 Kwun Tong Road, Kowloon HONG KONG Tel: +852.2412.8076 Fax: +852.2414.1756 E-mail: aho1@levi.com | North Asia Lawrence Lai Levi Strauss Global Trading Co. II Ltd. Level 23, Standard Chartered Tower, Millennium City 1 388 Kwun Tong Road, Kowloon HONG KONG Tel: +852.3793.6955 Fax: +852.2414.1756 E-mail: llai@levi.com |

Appendix 2: Definitions

Accessories—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.

Allowable Trace (TR)—The allowable trace is 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.

Chemical Abstract Service (CAS) Number—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.

Children's Products – An article made for, marketed for use by, or marketed to children age 12 and under. All Girls's articles size 0–16 and Boys' articles size 8–20 are included within the definition of children's products.

Concentration Limit – 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.

Detection Limit—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®, dENiZEN™, Dockers®, Signature by Levi Strauss & Co.™ products, as well as products provided for distribution by LS&Co. Products include those sourced directly by LS&Co., products sourced by an agent, and those designed and sourced by our licensee partners.

continued on next page

Definitions (continued)

Non-Apparel Products—Non-apparel products are those 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.

Polyvinyl Chloride (PVC)—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 reporting limit is 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."

Source(s)—Business partners of **Suppliers** that provide raw materials, parts, chemicals, packaging, and/or components or other goods for LS&Co. apparel, accessories, and other products.

Substance—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.

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

Supplier(s)—Factories and other businesses that contract with LS&Co. to produce finished products, apparel, accessories and other products for LS&Co. Suppliers may also contract with Sources for raw materials, parts, chemicals, packaging, and/or components or other goods for LS&Co. apparel, accessories, and other products.

Usage Ban—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 Supplier is fully responsible for obtaining all necessary knowledge and information required to understand and execute business processes that ensure RSL compliance. The Supplier is also responsible for performing analytical testing on products to verify the product's compliance with all RSL requirements. The Supplier must test products only at LS&Co. approved laboratories (see Appendix 6).

Products should be tested as prescribed in the following tables. Table A provides testing guidance based on material type. Table B provides testing guidance based on finish type; Table C provides testing guidance for screen prints. Table D provides testing guidance for footwear material. These tables define—but are not limited to defining—appropriate tests. In addition to the testing guidance provided in the following tables, LS&Co. may at any time request additional testing to validate product compliance with the RSL. All costs associated with product testing are the responsibility of the Supplier.

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 | X | X | X | X | | |
| Disperse Dyes | | X | | X | | |
| Other Dyes | X | X | X | X | | |
| Isocyanates | X ⁵² | X ⁵³ | X ⁵⁴ | X ⁵⁵ | | |
| Chromium (VI) | | | X | | | |
| Total Cadmium | | | X | X | X | X |
| Total Lead | | | X | X | X | X |
| Nickel | | | | | X | X |
| Formaldehyde | X | X | X | X | | |
| Phthalates | X ⁵⁶ | X ⁵⁷ | | X | X ⁵⁸ | |
| PCP/TeCP/TriCP | X | | X | | | |
| APEOs | X | X | X | X | | |

X indicates applicable test

continued on next page

⁵² Testing is applicable for natural textiles with PU coating.

⁵³ Testing is applicable for synthetic textiles with PU coating.

⁵⁴ Testing is applicable for natural leather with PU coating. If natural leather without PU coating, then isocyanates and phthalates tests are not required.

⁵⁵ Testing is applicable for PU foam.

⁵⁶ Testing is applicable for coated natural textiles.

⁵⁷ Testing is applicable for coated synthetic textiles.

⁵⁸ Testing is applicable for all lacquered metallic embellishments and trims.

Table B: RSL Testing Guide Based on Finish Type

| | Resin / Easy Care | Tinted | Overdye |
|-----------------|-------------------|----------|----------|
| Aromatic Amines | | X | X |
| Other Dyes | | | X |
| Isocyanates | X | | |
| Metals | | X | X |
| Formaldehyde | X | X | X |
| Organotin | X | | |
| APEOs | X | X | X |

X indicates applicable test

Table C: RSL Testing Guide Based on Print Type

| | Plastisol Prints | Glitter Prints | Puff Prints | Water-base Prints | Flock Prints |
|--------------------------|------------------|----------------|-------------|-------------------|--------------|
| Aromatic Amines | X | X | X | X | X |
| Total Cadmium | X | X | X | X | X |
| Total Lead | X | X | X | X | X |
| Formaldehyde | X | X | X | X | X |
| Organotin | X | X | X | | |
| Phthalates ⁵⁹ | X | X | X | | X |
| APEOs | X | X | X | X | X |

X indicates applicable test

continued on next page

⁵⁹ All plastisol prints must be phthalates- and PVC-free.

Table D: RSL Testing Guide Based on Footwear Material

| | Natural textile | Synthetic textile | Blended textile | Natural leather | Synthetic leather | PU coated natural leather | Foam | Plastics (including sole) | Metallic embellishment and trims |
|---------------------------|-----------------|-------------------|-----------------|-----------------|-------------------|---------------------------|------|---------------------------|----------------------------------|
| Aromatic Amines | X | X | X | X | X | X | | | |
| Disperse Dyes | | X | X | | | | | | |
| Other Dyes | X | X | X | X | | | | | |
| PCP/TeCP/TriCP | X | X | X | X | | X | | | |
| Isocyanates ⁶⁰ | | | | | X | X | X | X | |
| Chromium (VI) | | | | X | | X | | | |
| Total Cadmium | | | | X | X | X | | X | X |
| Total Lead | | | | X | X | X | | X | X |
| Nickel | | | | | | | | | X ⁶¹ |
| Formaldehyde | X | X | X | X | X | X | | X | |
| Phthalates | | | | | X | X | | X | X ⁶² |
| Extractable Heavy Metals | X | X | X | X | X | X | | | |
| PAH | | | | | | | | X | |
| Organotin | | | | | X | X | | X | |
| N-nitrosamines | | | | | | | | X | |
| APEOs | X | X | X | X | X | X | | | |

X indicates applicable test.

⁶⁰ Testing is applicable for PU materials.

⁶¹ For metal components with direct and prolonged skin contact (e.g., grommet).

⁶² Applicable for only lacquered metal items.

RSL Test Data Management

LS&Co. uses a database service 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) testing, 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: Pigments which, through reductive cleavage, may form restricted substances (amines)

| Pigment 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 |

| Pigment 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 Yellow L Paste |
| Acid Red 148 | Direct Brown 222 | Pigment Orange 3 |
| Acid Red 150 | Direct Green 8:1 | Pigment Orange 14 |
| Acid Red 167 | Direct Orange 108 | Pigment Orange 50 |
| Acid Red 264 | Direct Red 7 | Pigment Orange 63 |
| Acid Red 420 | Direct Red 17 | Pigment Red 39 |
| Basic Red 42 | Direct Red 22 | Pigment Red 41 |
| Direct Black 29 | Direct Red 24 | Pigment Red 162 |
| Direct Blue 3 | Direct Red 26 | Pigment Yellow 87 |
| Direct Blue 9 | Direct Red 62 | Pigment Yellow 172 |
| Direct Blue 35 | Direct Red 67 | |

Appendix 6: **Approved Laboratories**

| | |
|--|---|
| <p>SHENZHEN ACADEMY OF METROLOGY & QUALITY INSPECTION (SZ)</p> <p>Ms. Cherry Min Kang Road, Minzhi Avenue, Minzhi Subdistrict, Bao An District, ShenZhen, CHINA E-mail: lingping212@126.com Tel: +86.755.2752.8607 Fax: +86.755.2752.8479</p> | <p>GUANGZHOU TEXTILE AND FIBER TESTING INSTITUTION NATIONAL TEXTILE AND GARMENT QUALITY SUPERVISION TESTING CENTRE (GZ)</p> <p>Ms. Guo Ying Liao / Mr. Tomorrow Ruan No.35-2, Caofangwei, Binjiang Middle Road, Guangzhou City CHINA E-mail: gzfz2006@tom.com Tel: +86.20.3440.2318 +86.20.8441.4682 Fax : +86.20.3440.1376</p> |
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Approved Laboratories, continued

| | |
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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 the capability of selected laboratory for all required tests for submitted sample(s).

Notes

