The Burton Corporation
Sustainable Chemicals Management Policy and Restricted Substance List ("RSL")

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1. Introduction

The intent of Burton's Sustainable Chemicals Management Program is to protect customers, workers and the environment by eliminating toxic chemical substances from our supply chain, manufacturing processes, products, and packaging. To support this objective, we have partnered with bluesign technologies and published a Restricted Substances List (RSL). The RSL is a subset of testable substances extracted from the bluesign® System Substances List ("BSSL"). The BSSL (see link below) is a larger comprehensive list that includes all global substance restrictions beyond finished products. All Burton suppliers shall comply with the RSL for finished products. We also encourage all suppliers to comply with the BSSL.

BSSL: http://www.bluesign.com/industry/infocenter/downloads#.VP2xgSni4Rm

The RSL applies to all raw materials, parts, trims, components, hardware, chemicals, mixtures, coatings, and other items supplied to Burton and/or used in the manufacture of Burton finished goods and packaging. It is required that you implement input-stream chemical management systems in order to know and address chemical component input, sourcing, sampling, and testing of materials used in our products and packaging in order to meet the requirements of the RSL. Suppliers shall impose these requirements upon their vendors and sub-suppliers in turn to ensure alignment through the entire supply chain.

Please note that the RSL and BSSL are updated regularly in order to keep pace with emerging regulations as well as to achieve the goals we set for ourselves beyond regulatory requirements. As such, you will need resources available to adequately and continually meet all requirements. Find the most up-to-date version of the RSL at vendor.burton.com.

We recognize the challenges associated with accomplishing this goal. Though it is your sole responsibility to ensure that the products and packaging you provide us comply with all global product and environmental regulations, we can provide you with assistance in the form of education and training upon request. We can also provide you with a list of 3rd party laboratories, as you will likely need those services.

2. Contacts

For any questions regarding this Policy and RSL, please send an e-mail to sustainability@burton.com

3. Key Vendor Requirements

Please fulfill items 1 - 7 below and send all information, reports, etc.… to the email address above. The supplier is responsible for all costs associated with analytical testing. Should a supplier demonstrate a test failure, we reserve the right to increase the frequency of testing required of the supplier for one year (from the date of the test) or until the supplier adequately demonstrates the specific issue has been properly addressed.

1. Provide the contact information of the person(s) responsible for chemical management and restricted substances testing program in each manufacturing location.

2. All youth category products require annual lead testing in order to satisfy the requirements of the Consumer Product Safety Improvement Act (CPSIA). Provide these reports to us annually prior to bulk production.
3. Suppliers must test designated materials annually for compliance with the RSL and provide those reports to us upon receipt. Each supplier will receive:
    a. A list of materials that require chemical testing.
    b. A clear description of the test package:
        i. Basic CPSIA certification testing.
        ii. Chemicals of High Concern testing (Focus Chemicals).
        iii. Complete RSL testing.
4. Suppliers will be responsible for:
    a. Confirming test material sample availability.
    b. Shipment of samples to the laboratory.
    c. Confirmation of test timelines.
5. Vendor shall submit production quality samples to an ISO17025 certified lab (suggestions attached below).
    a. Samples must meet minimum sample size / mass requirements.
    b. Samples must be individually packaged and labeled.
6. Material test failures are reviewed, investigated, and corrective actions are implemented.
    a. Stakeholders are notified.
    b. Burton issues a Failure Resolution Form ("FRF") to vendor.
    c. Vendor determines root cause, implements countermeasures, signs, and returns the FRF to Burton for review and approval.

4. Definitions

4.1 Article

An article is an object which during production is given a special shape, surface, or design, which determines its function to a greater degree than does its chemical composition (fibers, textile fabrics, buttons, zippers, etc.).

4.2 CAS Number

CAS registry numbers are unique numerical identifiers for chemical elements, compounds, polymers, biological sequences, mixtures, and alloys assigned by the Chemical Abstracts Service ("CAS").

4.3 Chemical Substance

A Chemical Substance is a chemical element and its compounds with constant composition and properties. A CAS number defines it.

4.4 Detection limit (DL)

The detection limit is the lowest quantity of a substance that can be distinguished from the absence of that substance following a prescribed analytical method.

4.5 Limit Value

The Limit Value is the value set and defined by a consumer safety limit(s) for chemical substance(s) in Articles.

4.6 Usage Ban

A Usage Ban is defined as a prohibition of the use of a chemical or group of chemicals in a particular manufacturing process, application, material, component, or product.

4.7 Usage Range

Usage Ranges classify consumer goods according to their consumer safety. Three usage ranges (A, B, C) are used, with A being the most stringent category concerning limit values and bans:

- Usage Range A: Next to skin use and baby-safe (0 to 3 years)
- Usage Range B: Occasional skin contact
- Usage Range C: No skin contact

The table below lists common consumer goods and allocates Usage Ranges.

Item	Usage range A	Usage range B	Usage range C	Comment
Accessories (wallets, belts, key chains, etc.…)			x	
Baby wear and textile articles (0 – 3 years)	x			
Backpack			x	Shoulder straps, harness and backrest that have contact with the skin are usage range A
Bedding	x			
Bindings			x	
Blouse		x		
Boots			x	
Dress		x		
Gloves/Mittens	x			
Goggles		x		Goggle liner is usage range A
Headwear & Helmets	x			
Jacket		x		
Leggings & Tights	x			
Pants		x		
Pullover		x		
Scarf	x			
Shirt (All kinds)	x			
Skirt		x		
Sleeping bag		x		Lining is usage range A
Snowboard			x	
Snow Pants		x		
Socks	x			
Sweatshirt		x		
Swim wear	x			
Tent			x	Tent floor is usage range B
Towel		x		
1st Layer Garments (underpants, shirts, boxers, etc.…)	x			

5. Material Testing Matrix

** Where evaluating a textile blend, combine the requirements for both natural & synthetic fibers.

Test Item	Textiles from natural fibers	Textiles from synthetic fibers	Material Finishes: coatings & prints	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
pH Value	●	●		●	–	–
Odor	●	●		●	●	–
Color Fastness Properties						
Fastness to perspiration	●	●		●	–	–
Color fastness to saliva and perspiration (baby, mouthing)	●	●		●	●	–
Extractable Heavy Metals						
Antimony	–	**PES ●**		○	○	–
Arsenic	○	–		○	○	–
Cadmium	–	○	●	–	●	○
Chromium, total	**Wool ● Other ○**	**PA ● Other ○**		–	○	–
Chromium VI	○	○		●	○	–
Cobalt	○	○		○	○	–
Copper	○	○		○	○	–
Lead	●	●		●	●	○
Mercury	○	○		○	○	–
Nickel	○	○	**○ Contact with skin**	○	○	○ Contact with skin
Heavy Metals (total digestion)						
Total Lead	●	●	●	●	●	●
Total Cadmium	●	●		●	●	●
Heavy Metals (Release)						
Nickel	–	–		–	–	●
Aldehydes						
Formaldehyde	●	●		●	–	–
Alkylphenols and Alkylphenolethoxylates	●	●		●	○	–
Arylamines	●	●		●	–	–
Chlorinated Aromatic Hydrocarbons	–	●		○	–	–
Chlorinated Phenols	●	●		●	–	–
Colorants						
with carcinogenic potential	●	●		●	–	–
with allergenous potential	○	●		○	–	–

Test Item	Textiles from natural fibers	Textiles from synthetic fibers	Material Finishes: coatings & prints	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
Banned for other reasons	●	●		●	–	–
Flame Retardants (Required if sample declared with functional finishing)	○	○		–	○	–
Fluorinated Substances						
Perfluorooctane sulfonic acid / Perfluorooctane sulfonate (PFOS) (Required if sample declared with stain/water repellent finishing)	○	○		○	–	–
Perfluorocarboxylic acids and salts [PFHxA, PFOA] (Required if sample declared with stain/water repellent finishing)	○	○		○	–	–
Glycols	–	–		–	–	–
Halogenated Biphenyls, Terphenyls and Naphthalenes	○	○		○	○	–
Halogenated Diarylalkanes	○	○		–	○	–
Isocyanates (Required for PU and for relevant functional finishes)	○	○	**PU** ●	–	**PU** ●	–
Monomers						
Acrylamide	○	○		–	○	–
Other Chemical Substances						
Acetophenone	-	-		-	**EVA** ●	-
Bisphenol A	○	○		–	●	–
Cresol, all isomers	○	○		○	–	–
Dimethylfumarate (Material with direct skin contact; required if the product is packaged with any form of anti-mold agent)	○	○		○	○	–
Formamide	-	-		🎗	**EVA** ●	-
o-Phenylphenol	○	○		●	–	–
2-Phenyl-2-propanol	–	–		–	**EVA** ●	–
Pesticides	○	–		○	–	–
Plasticizers	–	–	●	–	●	–
Polyaromatic Hydrocarbons (PAHs) incl. Benzo(a)pyrene	–	–	●	–	●	–
Polymers						
Polyvinylchloride (PVC)	–	–	●	–	●	–

Test Item	Textiles from natural fibres	Textiles from synthetic fibres	Additional testing for coated or printed textiles	Leather	Plastics and other synthetic materials (PU, PVC, Rubber, TPU, TPR, EVA, etc.)	Metal parts
Solvents						
Benzene	–	–		–	–	–
1,2-Dichloroethane	–	–		–	–	–
Dichloromethane	–	–		–	–	–
N,N-Dimethylacetamide [DMAc]	–	○	○	○ **1**	○	–
N,N-Dimethylformamide [DMF]	–	–	●	● **1**	○	–
N-Ethyl-2-pyrrolidone [NEP]	○	○		○	○	–
N-Methylpyrrolidone [NMP]	○	○		○	○	–
Tetrachloroethylene	○	○		○	○	–
Toluene	–	–	●	● **1**	●	–
Trichloroethylene	○	○		●	○	–
Xylene, all isomers	–	–		–	–	–
Tin Organic Compounds	○	○	●	● **1**	●	–

CAS-numbers, test methods, complete chemicals list are identified in the RSL below.

● Testing required if not a Bluesign Partner or material.
○ Testing is recommended if not a Bluesign Partner or material.
– Substances or group of substances with high probability not relevant
1 Only if finishing of leather includes coating with solvents

6. Testing methods

The test methods specified in the last column of the tables in Section 7 below are the methods of choice. The testing methods column consists of two entries: sample preparation, e.g. extraction, digestion, derivatization, and the test method, i.e. the actual measurement. Depending on the availability, for several substances international or national standards are also specified.

Details of the respective sample preparation methods can be found in the table below:

Sample preparation	Solvent(s)	Temperature (°C)	Time (min)	Other requirements
Extraction with KOH	Potassium hydroxide (1M)	90	Over night	Derivatization with Acetic anhydride
Extraction with MeOH	Methanol	70	60	Ultrasonic bath
Extraction with THF	Tetrahydrofuran	40	60	
Extraction with DCM	Dichloromethane	40	60	Ultrasonic bath
Extraction with MeOH/Acetonitrile	Methanol/Acetonitrile (1:1)	70	30	Ultrasonic bath
ASE - Accelerated Solvent Extraction	Acetone/Hexane (1:1)	100	-	
Soxhlet Extraction	Acetone/Hexane (1:1)	-	480	
Headspace	-	120	45	

For headspace measurements a purge & trap gas chromatography is recommended.

7. Restricted Parameters and Substances

PARAMETER	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
pH	Non-leather products: 4.0-7.5			ISO 3071 (2005)
	Leather products: 3.5-7.5			ISO 4045 (2008)
Odor	No unpleasant odor shall be emitted from the products			SNV 195 651
Color Fastness Properties				
Color fastness to perspiration	Textiles dyed with disperse or metal complex dyes: at least 4			ISO 105-E04 (2013)
Color fastness to saliva and perspiration	Fast			§64 LFGB BVL B 82.10-1

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Aldehydes				
Formaldehyde (CAS 50-00-0)	DL (15)	75	300	Textile: ISO 14184-1 (2011) Leather: ISO 17226-1 (2008) or ISO 17226-2 (2008)
Alkylphenols (APs) and **Alkylphenolethoxylates (APEOs)** listed in Appendix A	**Usage ban** 10 for each Alkylphenol 100 for each Alkylphenolethoxylate			APs: 2-Step extraction with DCM and MeOH/Acetonitrile // GC-MS, LC-MS APEOs: Textile: Draft ISO/DIS 18254 (2014) Leather: ISO 18218-1 (2015)
Arylamines (as substance for example in PU, and as decomposition product of azo colorants which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines) listed in Appendix B	**Usage ban** DL: 20			Textile: EN 14362-1 (2012) EN 14362-3 (2012) (for azo colorants which may release 4-Aminoazobenzene) Leather: EN ISO 17234-1 (2015) EN ISO 17234-2 (2011) (for azo colorants which may release 4-Aminoazobenzene)
Asbestos listed in Appendix C	**Usage ban** **not detected**			REM/EDX BGI 505-46 or U.S. EPA/600/R-93/116
Chlorinated Aromatic Hydrocarbons listed in Appendix D	**Usage ban** DL: 1.0 Sum of all: 5.0			DIN 54232 (2010)

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Chlorinated Phenols	**Usage ban** Sum of each group of MonoCPs, DiCPs, TriCPs, TeCPs, PCPs			Extraction with KOH* // GC-MS* *In case of results close to limit value (+/- 10 %) re-test with reference method: §64 LFGB BVL B 82.02-8 (2001) (for textiles) or ISO 17070 (2015) (for leather)
Monochlorophenols (MonoCP), all isomers (CAS 25321-22-6)	0.05	0.5	0.5	
Dichlorophenols (DiCP), all isomers (CAS 25167-81-1)				
Trichlorophenols (TriCP), all isomers (CAS 25167-82-2)				
Tetrachlorophenols (TeCP), salts and compounds (CAS 25167-83-3)				
Pentachlorophenol (PCP), salts, esters and compounds (CAS 87-86-5)				
Colorants	**Usage ban**			DIN 54231
Colorants with carcinogenic potential listed in Appendix E	DL: 20			
Colorants with allergenic potential listed in Appendix F	DL: 20			
Colorants banned for other reasons listed in Appendix G	DL: 20			

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Dioxins and Furans listed in Appendix H	**Usage ban**			EPA 8290A
Group 1	Sum of group 1: 1 [µg/kg]			
Group 2	Sum of group 1 and 2: 5 [µg/kg]			
Group 3	Sum of group 1, 2 and 3: 100 [µg/kg]			
Group 4	Sum of group 4: 1 [µg/kg]			
Group 5	Sum of group 4 and 5: 5 [µg/kg]			
Flame retardants listed in Appendix I	**Usage ban** DL: 5			Extraction following IEC 62321-6 (2015) // LC-MS, GC-MS, GC-NCI Chlorinated paraffins: Draft DIN EN ISO 18219 (2012)
Fluorinated Greenhouse Gases listed in Appendix J	**Usage ban** DL: 0.1			Headspace GC-MS

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Fluorinated Substances				
Perfluorooctane sulfonic acid / Perfluorooctane sulfonate (PFOS)* (CAS 1763-23-1)	**Usage ban** 1 [µg/m^2]			CEN/TS 15968 (2010)
Perfluorocarboxylic acid and salts	**Usage ban**			CEN/TS 15968 (2010)
PFHxA (CAS 307-24-4)	0.05			
PFOA** (CAS 335-67-1)	1 [µg/m^2] (Corresponds to 0.01 mg/kg for textile weight of 100 g/m^2)			

*Ban on long-chain compounds in manufacturing based on long-chain electrofluorination chemistry (C6 and higher).

**Phase-out of long-chain compounds in manufacturing based on long-chain telomer chemistry (C8 and higher) until end of 2014.

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Glycols				
Bis(2-methoxyethyl)-ether (CAS 111-96-6)	**Usage ban** DL: 5			Textile: Extraction with MeOH // GC-MS Plastic: 2-Step extraction with THF and MeOH // GC-MS
2-Ethoxyethanol (CAS 110-80-5)				
2-Ethoxyethyl acetate (CAS 111-15-9)				
Ethylene glycol dimethyl ether (CAS 110-71-4)				
2-Methoxyethanol (CAS 109-86-4)				
2-Methoxyethylacetate (CAS 110-49-6)				
2-Methoxy-1-propanol (CAS 1589-47-5)				
2-Methoxypropylacetate (CAS 70657-70-4)				
Triethylene glycol dimethyl ether (CAS 112-49-2)				
Halogenated Biphenyls, halogenated Terphenyls, halogenated Naphthalenes listed in Appendix K	**Usage ban** DL: 1 DL: 5 (PBBs)			Extraction following IEC 62321-6 (2015) // GC-MS
Halogenated Diarylalkanes listed in Appendix L	**Usage ban** DL: 1			Extraction following IEC 62321-6 (2015) // GC-MS
Isocyanates listed in Appendix M	Free content Sum of all: 1.0			EN 13130-8 (2004)
Monomers: Acrylamide (CAS 79-06-1)	1.0	1.0	1.0	Textile: Extraction with MeOH // HPLC Plastic: 2-Step extraction with THF and MeOH // HPLC

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Other Chemical Substances				
Acetophenone (CAS 98-86-2)	20	20	20	Extraction with MeOH // GC-MS
Bisphenol A (CAS 80-05-7)	**Usage ban for textile finishing** DL: 1.0 Accessories: 50			Extraction with MeOH // ISO 18857-2 (2009)
Cresol, all isomers (CAS 1319-77-3)	**Usage ban** DL:10			Extraction with KOH* // GC-MS* *In case of results close to limit value (+/- 10 %) re-test with reference method: §64 LFGB BVL B 82.02-8 (2001) (for textiles) or ISO 17070 (2015) (for leather)
m-Cresol (CAS 108-39-4)				
o-Cresol (CAS 95-48-7)				
p-Cresol (CAS 106-44-5)				
Dimethylfumarate (CAS 624-49-7)	**Usage ban** DL: 0.1			ISO/TS 16186 (2012) // GC-MS
Formamide (CAS 75-12-7)	50	50	100	Extraction with MeOH* // GC-MS *Cut the samples into small pieces (2x2mm)
o-Phenylphenol (CAS 90-43-7)	50	50	50	Textile: Extraction with KOH* // GC-MS* *In case of results close to limit value (+/- 10 %) re-test with reference method: §64 LFGB BVL B 82.02-8 (2001) Leather: ISO 13365 (2011)
2-Phenyl-2-propanol (CAS 617-94-7)	1.0	10	10	Extraction with MeOH // GC-MS

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Ozone Depleting Substances listed in Appendix N	**Usage ban** for direct use in manufacturing of articles DL: 0.1			Headspace GC-MS
Pesticides listed in Appendix O	**Usage ban** 0.5 applies to sum of pesticides			ASE or Soxhlet Extraction with Acetone/Hexane // GC-MS or LC-MC
Plasticizers listed in Appendix P	**Usage ban** 50			ISO 14389 (2014)
Polyaromatic Hydrocarbons (PAHs) Listed in Appendix Q	**Usage ban** 10 - Sum of all PAHs 0.2 - Benzo(a)pyrene 1.0 - PAHs marked with (*)			EPA 8310 EPA 8270D EPA 8275A ZEK 01.4-08
Polymers				
Polyvinyl chloride (PVC) (CAS 9002-86-2)	**Usage ban for A and B** Not detected			Beilstein test* // FTIR *FTIR measurement only if result of Beilstein test was positive
Solvents				
Benzene (71-43-2)	**Usage ban** DL: 1.0			Headspace GC-MS
1,2-Dichloroethane (CAS 107-06-2)	**Usage ban** DL: 1.0			Headspace GC-MS
Dichloromethane (CAS 75-09-2)	**Usage ban** DL: 5			Headspace GC-MS
N,N-Dimethylacetamide (DMAc) (CAS 127-19-5)	**Usage ban in auxiliaries with exception of solvent coating** DL: 5 Limits for residual fiber solvent:			Headspace GC-MS or Textile: Extraction with MeOH // GC-MS or LC-MS Plastic: 2-Step Extraction with THF and MeOH // GC-MS or LC-MS
	10	50	50	

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
N,N-Dimethylformamide (DMF) (CAS 68-12-2)	**Usage ban with exception of solvent coated articles** DL: 5			ISO/TS 16189 (2013)
	Residual fibre solvent and solvent coated articles:			
	50	50	50	
N-Ethyl-2-pyrrolidone (NEP) (CAS 2687-91-4)	10	10	100	2-Step extraction with THF and MeOH // GC-MS or LC-MS
N-Methylpyrrolidone (NMP) (CAS 872-50-4)	10	10	100	2-Step extraction with THF and MeOH // GC-MS or LC-MS
Tetrachloroethylene (Perchloroethylene) (CAS 127-18-4)	**Usage ban** DL: 1.0			Headspace GC-MS
Toluene (CAS 108-88-3)	10	50	50	Headspace GC-MS
Trichloroethylene (CAS 79-01-6)	**Usage ban** DL: 5			Headspace GC-MS
Xylene, all isomers (CAS 1330-20-7)	**Usage ban in textile finishing** DL: 1.0			Headspace GC-MS
m-Xylene (CAS 108-38-3)	Non-textile articles Traces:			
o-Xylene (CAS 95-47-6) p-Xylene (CAS 106-42-3)	1.0	10	10	

SUBSTANCE	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Tin organic compounds	**Usage ban**			ISO/TS 16179 (2012)
Monobutyltin compounds (MBT)	1.0			
Monooctyltin compounds (MOT)	2.0			
Dimethyltin compounds (DMT)	DL: 0.05			
Dibutyltin compounds (DBT)	0.2			
Dioctyltin compounds (DOT)	1.0			
Trimethyltin compounds (TMT)	DL: 0.05			
Tripropyltin compounds (TPT)	DL: 0.05			
Tributyltin compounds (TBT)	DL: 0.05			
Triphenyltin compounds (TPhT)	DL: 0.05			
Trioctyltin compounds (TOT)	DL: 0.05			
Tetrabutyltin compounds (TTBT)	DL: 0.5			
Tetraoctyltin compounds (TTOT)	DL: 0.5			
Tricyclohexyltin compounds (TCyHT)	DL: 0.5			

EXTRACTABLE HEAVY METALS				
METAL	**LIMIT [mg/kg]**			**RECOMMENDED SAMPLE PREPARATION // TEST METHOD**
	A	**B**	**C**	
Antimony (Sb) (CAS 7440-36-0)	**Usage ban as flame retardant**			
	In other cases:			
	Textiles and leather:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	5	10	10	
	Metal parts and non-metal parts other than textiles and leather:			EN 71-3 (2013) (acid solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	60			
Arsenic (As) (CAS 7440-38-2)	**Usage ban as biocide**			
	In other cases:			
	Non-metal parts:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	0.2			
Cadmium (Cd) (CAS 7440-43-9)	**Usage ban**			
	Non-metal parts:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	0.1			

METAL	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Chromium (Cr) (CAS 7440-47-3)	Textiles:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	0.5			
	Metal complex dyed textiles:			
	1.0	2.0	2.0	
	Leather:			-
	No regulation			
	Non-metal parts other than textiles and leather:			EN 71-3 (2013) (acid solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	If products are covered with a metal layer, including a chromium layer, coating must be constantly in good condition			
	60			
Chromium (VI)	**Usage ban**			
	Metal parts and non-metal parts others than leather:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ICP
	DL: 0.5			
	Leather:			17075 (2008)
	DL: 3.0			
Cobalt (Co) (CAS 7440-48-4)	Textiles and leather:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	1.0			
	Metal complex dyed textiles:			
	1.0	4.0	4.0	
	Metal parts and non-metal parts others than textiles and leather:			
	1.0	4.0	4.0	

METAL	LIMIT [mg/kg]			RECOMMENDED SAMPLE PREPARATION // TEST METHOD
	A	B	C	
Copper (Cu) (CAS 7440-50-8)	Textiles, leather and metal complex dyed textiles:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	25	50	50	
	Non-metal parts others than textiles and leather:			-
	No regulation			
Lead (Pb) (CAS 7439-92-1)	**Usage ban**			
	Textiles, plastics and leather:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	0.2	1.0	1.0	
Mercury (Hg) (CAS 7439-97-6)	**Usage ban**			
	Non-metal parts:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 12846 (2012)
	0.02			
	Metal parts:			EN 71-3 (2013) (acid solution) // ISO 12846 (2012)
	60			
Nickel (Ni) (CAS 7440-02-0)	Textiles and leather:			DIN EN ISO 105-E04 (2013) (acid sweat solution) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	1.0			
	Metal complex dyed textiles:			
	1.0	4.0	4.0	
	Usage ban for A and B			
	Metal parts and non metal parts others than textiles and leather: 0.5 [µg/cm²/week]			Nickel release EN 12472 (2005)+A1(2009); EN 1811 (2011)

HEAVY METALS (TOTAL DIGESTION)		
METAL	**LIMIT [mg/kg]**	**RECOMMENDED SAMPLE PREPARATION // TEST METHOD**
Total Cadmium (Cd)	**Usage ban**	
	Non-metal parts (textiles, leather and others)	EN 1122 (2001) // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	Traces: 40	
	Metal parts:	Total digestion // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	Traces: 40	
Total Lead (Pb)	**Usage ban**	
	Textiles, plastics and leather	Total digestion // ISO 17294-2 (2003) or DIN EN ISO 11885 (2009)
	Traces: 40	
	Metal parts	
	Traces: 90	

8. Appendix of Chemicals

Appendix A: Alkylphenols and Alkylphenolethoxylates	CAS – No.
Nonylphenol (NP)	several
Octylphenol (OP)	several
Nonylphenolethoxylate $(EO)_{3-20}$	several
Octylphenolethoxylate $(EO)_{3-20}$	several

Appendix B: Arylamines	CAS – No.
p-Aminoazobenzene	60-09-3
o-Aminoazotoluene	97-56-3
4-Aminobiphenyl	92-67-1
2-Amino-4-nitrotoluene	99-55-8
2-Anisidine	90-04-0
Benzidine	92-87-5
4-Chloroaniline	106-47-8
4-Chlor-2-toluidine	95-69-2
p-Cresidine	120-71-8
2,4-Diaminoanisole	615-05-4
4,4'-Diaminodiphenylmethane	101-77-9
2,4-Diaminotoluene	95-80-7
3,3'-Dichlorobenzidine	91-94-1
3,3'-Dimethoxybenzidine	119-90-4
3,3'-Dimethylbenzidine	119-93-7
3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0
4,4'-Methylenebis-(2-chloraniline)	101-14-4
2-Naphthylamine	91-59-8
4,4’-Oxydianiline	101-80-4
4,4’-Thiodianiline	139-65-1
2-Toluidine	95-53-4
2,4,5-Trimethylaniline	137-17-7
2,4-Xylidine	95-68-1
2,6-Xylidine	87-62-7

Appendix C: Asbestos	CAS – No.
Actinolite	77536-66-4
Amosite	12172-73-5
Anthophyllite	77536-67-5
Chrysotile	12001-29-5
Crocidolite	12001-28-4
Tremolite	77536-68-6

Appendix D: Chlorinated Aromatic Hydrocarbons	CAS – No.
Monochlorobenzene	108-90-7
Dichlorobenzenes, all isomers	Several
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
Trichlorobenzenes, all isomers	Several
1,2,3-Trichlorobenzene	87-61-6
1,2,4-Trichlorobenzene	120-82-1
1,3,5-Trichlorobenzene	108-70-3
Tetrachlorobenzenes, all isomers	Several
1,2,3,4-Tetrachlorobenzene	634-66-2
1,2,3,5-Tetrachlorobenzene	634-90-2
1,2,4,5-Tetrachlorobenzene	95-94-3
Pentachlorobenzene	608-93-5
Hexachlorobenzene	118-74-1
Monochlorotoluenes, all isomers	Several
2-Chlorotoluene	95-49-8
3-Chlorotoluene	108-41-8
4-Chlorotoluene	106-43-4
Dichlorotoluenes, all isomers	Several
2,4-Dichlorotoluene	95-73-8
2,6-Dichlorotoluene	118-69-4
3,4-Dichlorotoluene	95-75-0
Trichlorotoluenes, all isomers	Several
2,3,6-Trichlorotoluene	2077-46-5
a,a,a-Trichlorotoluene	98-07-7
Tetrachlorotoluenes, all isomers	Several
a,a,a,2-Tetrachlorotoluene	2136-89-2
a,a,a,4-Tetrachlorotoluene	5216-25-1
Pentachlorotoluene	877-11-2

Appendix E: Colorants with carcinogenic potential	CAS – No.
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
Direct Yellow 1	6472-91-9
Disperse Blue 1	2475-45-8
Disperse Orange 11	82-28-0
Disperse Yellow 3	2832-40-8
Pigment Black 25	68186-89-0
Pigment Yellow 34	1344-37-2
Pigment Yellow 157	68610-24-2
Pigment Red 104	12656-85-8

Appendix F: Colorants with allergenous potential	CAS – No.
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
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 37/59/76	12223-33-5 13301-61-6
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 9	6373-73-5
Disperse Yellow 39	12236-29-2
Disperse Yellow 49	54824-37-2

Appendix G: Colorants banned for other reasons	CAS – No.
Basic Blue 26	2580-56-5
Basic Green 4	**Several**
Malachit green	10309-95-2
Malachit green chloride	569-64-2
Malachit green oxalate	2437-29-8
Disperse Yellow 23	6250-23-3
Disperse Orange 149	85136-74-9
Navy Blue	Component 1: 118685-33-9 Component 2: Not allocated

Appendix H: Dioxins and Furans	CAS – No.
Group 1:	**Several**
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4
Group 2:	**Several**
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5

Appendix H: Dioxins and Furans	CAS – No.
Group 3:	**Several**
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9
1,2,3,4,6,7,8,9-Octachlorodibenzo-p-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:	**Several**
2,3,7,8-Tetrabromodibenzo-p-dioxin	50585-41-6
1,2,3,7,8-Pentabromodibenzo-p-dioxin	109333-34-8
2,3,7,8-Tetrabromodibenzofuran	67733-57-7
2,3,4,7,8-Pentabromodibenzofuran	131166-92-2
Group 5:	**Several**
1,2,3,4,7,8-Hexabromodibenzo-p-dioxin	110999-44-5
1,2,3,6,7,8-Hexabromodibenzo-p-dioxin	110999-45-6
1,2,3,7,8,9-Hexabromodibenzo-p-dioxin	110999-46-7
1,2,3,7,8-Pentabromodibenzofuran	107555-93-1

Appendix I: Flame retardants	CAS – No.
2,2-Bis(bromomethyl)-1,3-propanediol	3296-90-0
Bis(2,3-dibromopropyl)phosphate	5412-25-9
Chlorinated paraffins, all chain lengths	Several
Paraffin wax, chlorinated, C24	63449-39-8
Paraffin, C_{10}-C_{13}, chlorinated (SCCP)	85535-84-8
Paraffin, C_{14}-C_{17}, chlorinated (MCCP)	85535-85-9
Paraffin, C_{18}-C_{28}, chlorinated (LCCP)	85535-86-0
Hexabromocyclododecan	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8
Polybrominated diphenyl ethers (PBDE)	Several
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9
Pentabromodiphenyl ether (PentaBDE)	32534-81-9
Hexabromodiphenyl ether (HexaBDE)	36483-60-0
Heptabromodiphenyl ether (HeptaBDE)	68928-80-3
Octabromodiphenyl ether (OctaBDE)	32536-52-0
Decabromodiphenyl ether (DecaBDE)	1163-19-5
Tetrabromobisphenol A	79-94-7
Tetrabromobisphenol A bis(2,3-dibromopropylether)	21850-44-2
Triethylenephosphoramide (TEPA)	545-55-1
Trimethyl phosphate	512-56-1
Tri-o-cresyl phosphate	78-30-8
Tris(chloroethyl)phosphate	115-96-8
Tris-(2-chloro-1-methylethyl)phosphate (TCPP)	13674-84-5
Tris-[2-chloro-1-(chloromethyl)ethyl]phosphate (TDCP)	13674-87-8
Tris(2,3-dibromopropyl)phosphate (TRIS)	126-72-7
Trixylyl phosphate	25155-23-1

Appendix J: Fluorinated Greenhouse Gases	CAS – No.
Sulphur hexafluoride – SF6	2551-62-4
Perfluoromethane	75-73-0
Perfluoroethane	76-16-4
Perfluoropropane	76-19-7
Perfluorobutane	355-25-9
Perfluoropentane	678-26-2
Perfluorohexane	355-42-0
Perfluorocyclobutane	115-25-3
HFC-23	75-46-7
HFC-32	75-10-5
HFC-41	593-53-3
HFC-43-10mee	138495-42-8
HFC-125	354-33-6
HFC-134	359-35-3
HFC-134a	811-97-2
HFC-152a	75-37-6
HFC-143	430-66-0
HFC-143a	420-46-2
HFC-227ea	431-89-0
HFC-236cb	677-56-5
HFC-236ea	431-63-0
HFC-236fa	690-39-1
HFC-245ca	679-86-7
HFC-245fa	460-73-1
HFC-365mfc	406-58-6

Appendix K: Halogenated Biphenyls, Terphenyls, Napthalenes	CAS – No.
Polybrominated biphenyls (PBBs)	Several
Polychlorinated biphenyls (PCBs)	Several
Polychlorinated terphenyls (PCTs)	Several
Polybrominated terphenyls (PBTs)	Several
Polychlorinated naphthalenes (PCNs)	Several
Polybrominated naphthalenes (PBNs)	Several

Appendix L: Halogenated Diarylalkanes	CAS – No.
Monomethyl-dibromo-diphenyl methane	99688-47-8
Monomethyl-dichloro-diphenyl methane	81161-70-8
Monomethyl-tetrachloro-diphenyl methane	76253-60-6

Appendix M: Isocyanates	CAS – No.
Diphenylmethane-4,4-diisocyanate (MDI)	101-68-8
Hexamethylene diisocyanate (HMDI)	822-06-0
Isophorone diisocyanate (IPDI)	4098-71-9
Tetramethylxylene diisocyanate (TMXDI)	2778-42-9
Toluene-2,4-diisocyanate (2,4-TDI)	584-84-9
Toluene-2,6-diisocyanate (2,6-TDI)	91-08-7

Appendix N: Ozone Depleting Substances	CAS – No.
Ozone-depleting substances (CFC's) class I	**Several**
Trichlorofluoromethane CFC-11	75-69-4
Dichlorofluoromethane CFC-12	75-71-8
1,1,2-Trichloro-1,2,2-trifluoroethane CFC-113	76-13-1
1,1,1-Trichloro-2,2,2-trifluoroethane CFC-113a	354-58-5
1,2-Dichloro-1,1,2,2-tetrafluoroethane CFC-114	76-14-2
1,1-Dichloro-1,2,2,2-tetrafluoroethane CFC-114a	374-07-2
Monochloropentafluoroethane CFC-115	76-15-3
Bromochlorodifluoromethane Halon-1211	353-59-3
Bromotrifluoromethane Halon-1301	75-63-8
Dibromotetrafluoroethane Halon-2402	124-73-2
Chlorotrifluoromethane CFC-13	75-72-9
Pentachlorofluoroethane CFC-111	354-56-3
1,1,2,2-Tetrachloro-1,2-difluoroethane CFC-112	76-12-0
1,1,1,2-Tetrachlorodifluoroethane CFC-112a	76-11-9
Heptachlorofluoropropane CFC-211	422-78-6
Hexachlorodifluoropropane CFC-212	3182-26-1
Pentachlorotrifluoropropane CFC-213	2354-06-5
Tetrachlorotetrafluoropropane CFC-214	29255-31-0
1,1,3-Trichloropentafluoropropane CFC-215	76-17-5
1,2,3-Trichloropentafluoropropane CFC-215	1652-81-9
1,1,1-Trichloropentafluoropropane CFC-215	4259-43-2
1,2,2-Trichloropentafluoropropane CFC-215	1599-41-3
Dichlorohexafluoropropane CFC-216	661-97-2
Monochloroheptafluoropropane CFC-217	422-86-6
Carbon tetrachloride CCl4	56-23-5
1,1,1-Trichloroethane (Methylchloroform)	71-55-6
Methylbromide (CH3Br)	74-83-9
CHFBr2	1868-53-7
CHF2Br	1511-62-2
CH2FBr	373-52-4
C2HFBr4	353-93-5
C2HF2Br3	353-97-9
C2HF3Br2	354-04-1
C2HF4Br	354-07-4
C2H2FBr3	172912-75-3
C2H2F2Br2	75-82-1
C2H2F3Br	421-06-7
C2H3FBr2	358-97-4
C2H3F2Br	359-07-9
C2H4FBr	762-49-2
C3HFBr6	-
C3HF2Br5	-
C3HF3Br4	-
C3HF4Br3	666-48-8
C3HF5Br2	431-78-7
C3HF6Br	2252-79-1
C3H2FBr5	-
Ozone-depleting substances (CFC's) class I	**Several**
C3H2F2Br4	148875-98-3
C3H2F3Br3	431-48-1
C3H2F4Br2	460-86-6
C3H2F5Br	460-88-8
C3H3FBr4	-

C3H3F2Br3	666-25-1
C3H3F3Br2	460-60-6
C3H3F4Br	460-67-3
C3H4FBr3	75372-14-4
C3H4F2Br2	51584-25-9
C3H4F3Br	460-32-2
C3H5FBr2	453-00-9
C3H5F2Br	461-49-4
C3H6FBr	1871-72-3
Chlorobromomethane CH2BrCl	74-97-5
Ozone-depleting substances (CFC's) class II	**Several**
Dichlorofluoromethane HCFC-21	75-43-4
Monochlorodifluoromethane HCFC-22	75-45-6
Monochlorofluoromethane HCFC-31	593-70-4
Tetrachlorofluoroethane HCFC-121	354-14-3
Trichlorodifluoroethane HCFC-122	354-21-2
Dichlorotrifluoroethane HCFC-123	306-83-2
Monochlorotetrafluoroethane HCFC-124	2837-89-0
Trichlorofluoroethane HCFC-131	359-28-4
Dichlorodifluoroethane HCFC-132	1649-08-7
Monochlorotrifluoroethane HCFC-133a	75-88-7
HCFC-141	-
Dichlorofluoroethane HCFC-141b	1717-00-6
HCFC-142	
Monochlorodifluoroethane HCFC-142b	75-68-3
HCFC-151	-
Hexachlorofluoropropane HCFC-221	422-26-4
Pentachlorodifluoropropane HCFC-222	422-49-1
Tetrachlorotrifluoropropane HCFC-223	422-52-6
Trichlorotetrafluoropropane HCFC-224	422-54-8
HCFC-225	-
Dichloropentafluoropropane HCFC-225ca	422-56-0
Dichloropentafluoropropane HCFC-225cb	507-55-1
Monochlorohexafluoropropane HCFC-226	431-87-8
Pentachlorofluoropropane HCFC-231	421-94-3
Tetrachlorodifluoropropane HCFC-232	460-89-9
Trichlorotrifluoropropane HCFC-233	7125-84-0
Dichlorotetrafluoropropane HCFC-234	425-94-5
Monochloropentafluoropropane HCFC-235	460-92-4
Tetrachlorofluoropropane HCFC-241	666-27-3
Trichlorodifluoropropane HCFC-242	460-63-9
Dichlorotrifluoropropane HCFC-243	460-69-5
Monochlorotetrafluoropropane HCFC-244	134190-50-4
Monochlorotetrafluoropropane HCFC-251	421-41-0
Ozone-depleting substances (CFC's) class II	**Several**
Dichlorodifluoropropane HCFC-252	819-00-1
Monochlorotrifluoropropane HCFC-253	460-35-5
Dichlorofluoropropane HCFC-261	420-97-3
Monochlorodifluoropropane HCFC-262	421-02-3
Monochlorofluoropropane HCFC-271	430-55-7

Appendix O: Pesticides	**CAS – No.**
Aldrine	309-00-2
Azinphos methyl	86-50-0
Azinphos ethyl	2642-71-9

Bromophos-ethyl	4824-78-6
Captafol	2425-06-1
Carbaryl	63-25-2
Chlordane	57-74-9
Chlordecone	143-50-0
Chlordimeform	6164-98-3
Chlorfenvinphos	470-90-6
Coumaphos	56-72-4
Cyfluthrin	68359-37-5
Cyhalothrin, λ-	91465-08-6
Cypermethrin	52315-07-8
Deltamethrin	52918-63-5
Diazinon	333-41-5
o,p'-Dichlorodiphenyldichloroethane (o,p'-DDD)	53-19-0
p,p'-Dichlorodiphenyldichloroethane (p,p'-DDD)	72-54-8
o,p'-Dichlorodiphenyldichloroethylene (o,p'-DDE)	3424-82-6
p,p'-Dichlorodiphenyldichloroethylene (p,p'-DDE)	72-55-9
o,p'-Dichlorodiphenyltrichloroethane (o,p'-DDT) and its isomers; preparations containing DDT and its isomers	789-02-6
p,p'-Dichlorodiphenyltrichloroethane (p,p'-DDT) and its isomers; preparations containing DDT and its isomers	50-29-3
2,4-Dichlorophenoxyacetic acid, its salts and compounds	94-75-7
Dichlorprop	120-36-2
Dicrotophos	141-66-2
Dieldrine	60-57-1
Dimethoate	60-51-5
Dinoseb and salts	88-85-7
Endosulfan, α-	959-98-8
Endosulfan, β-	33213-65-9
Endrine	72-20-8
Esfenvalerate	66230-04-4
Fenvalerate	51630-58-1
Heptachlor	76-44-8
Heptachlor epoxide	1024-57-3
Hexachlorocyclohexane (HCH), all isomers	608-73-1
Isodrin	465-73-6
Kelevane	4234-79-1
Lindane	58-89-9
Malathion	121-75-5
Appendix O: Pesticides	**CAS – No.**
MCPA	94-74-6
MCPB	94-81-5
Mecoprop	93-65-2
Methamidophos	10265-92-6
Methoxychlor	72-43-5
Methyl parathion	298-00-0
Mevinophos	7786-34-7
Mirex	2385-85-5
Monocrotophos	6923-22-4
Ethyl parathion	56-38-2
Perthane	72-56-0
Profenophos	41198-08-7
Propetamphos	31218-83-4
Quinalphos	13593-03-8
Strobane	8001-50-1

Telodrin	297-78-9
Toxaphene	8001-35-2
Tribufos (DEF)	78-48-8
2,4,5-Trichlorophenoxyacetic acid, salts and compounds	93-76-5
Trifluralin	1582-09-8

Appendix P: Plasticizer	CAS – No.
Bis-(2-methoxyethyl) phthalate (DMEP)	117-82-8
Butylbenzyl phthalate (BBP)	85-68-7
Dibutyl phthalate (DBP)	84-74-2
Di-cyclohexyl phthalate (DCHP)	84-61-7
Diethylhexyl phthalate (DEHP)	117-81-7
Diethyl phthalate (DEP)	84-66-2
Diisobutyl phthalate (DIBP)	84-69-5
Diisodecyl phthalate (DIDP)	26761-40-0 68515-49-1
Diisononyl phthalate (DINP)	28553-12-0 68515-48-0
Di-isooctyl phthalate (DIOP)	27554-26-3
Di-iso-pentyl phthalate (DIPP)	605-50-5
Dimethyl phthalate (DMP)	131-11-3
Di-n-hexyl phthalate (DNHP)	84-75-3
Di-n-octyl phthalate (DNOP)	117-84-0
Dinonyl phthalate (DNP)	84-76-4
Di-n-pentyl phthalate (DnPP)	131-18-0
Di-n-propyl phthalate (DPRP)	131-16-8
n-Pentyl-isopentyl phthalate	776297-69-9
1,2-Benzenedicarboxylic acid, di-C_{6-8}-branched alkyl esters, C_7-rich (DIHP)	71888-89-6
1,2-Benzenedicarboxylic acid, di-C_{7-11}-branched and linear alkyl esters (DHNUP)	68515-42-4
1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear	84777-06-0
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4

Appendix Q: Polyaromatic Hydrocarbons (PAHs)	CAS – No.
Acenaphtylene	208-96-8
Acenaphthene	83-32-9
Anthracene	120-12-7
Benzo(a)anthracene*	56-55-3
Benzo(b)fluoranthene*	205-99-2
Benzo(j)fluoranthene*	205-82-3
Benzo(k)fluoranthene*	207-08-9
Benzo(ghi)perylene	191-24-2
Benzo(a)pyrene	50-32-8
Benzo(e)pyrene*	192-97-2
Chrysene*	218-01-9
Dibenzo(a,h)anthracene*	53-70-3
Fluoranthene	206-44-0
Fluorene	86-73-7
Indeno(1,2,3-cd)pyrene	193-39-5
Naphthalene	91-20-3
Phenanthrene	85-01-8
Pyrene	129-00-0

9. Testing Labs

Please note that the labs listed below are provided for your convenience only. This list is not meant to be exhaustive. Labs must be ISO17025 certified should you choose to use another.

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10. Test Request Form (TRF)

Please find the latest TRF at https://vendor.burton.com/page?page=sustainability

11. Guidance for Printing Processes and Inks

The following provides guidance for inks and to identify high-risk processes that we seek to eliminate from our supply chain and manufacturing processes. While prints provide unique aesthetic and style options, they also present additional risk to the environment, workers and consumers through the use of additional chemistry. We seek to minimize these impacts in the near term and eliminate them over the long term wherever possible.

Print Process	Decision
Screen Printing	
Water based inks	**Approved for use.** Low risk of RSL failure.
- Non-PVC plastisol (high solids acrylic) inks	**Approved for use.** Low risk of RSL failure.
- Silicone inks	**Approved for use.** Low risk of RSL failure.
- Low formaldehyde discharge inks	Moderate risk of RSL failure – **RSL testing Required. Prohibited in Children's products.**
- PVC (plastisol) inks	**Prohibited.** High risk of RSL failure.
- Conventional discharge inks	**Prohibited.** High risk of RSL failure.
Roller Prints	
- Water based inks	**Approved for use.** Low risk of RSL failure.
- Low formaldehyde discharge inks	Moderate risk of RSL failure – **RSL testing Required. Prohibited in Children's products.**
- Conventional discharge inks	**Prohibited.** High risk of RSL failure.
Digital Ink Jet Printing	
- All ink systems	**Approved for use.** Low risk of RSL failure.
Dye Sublimation Printing	
- All ink systems	**Approved for use.** Low risk of RSL failure.
Hard Face Printing	
- All ink systems with a water based PU coat	**Approved for use.** Low risk of RSL failure.
- All ink systems with a solvent based PU coat	Moderate risk of RSL failure – **RSL testing Required. Prohibited in Children's products.**
Heat Transfers	
- Polyurethane heat transfers	**Approved for use.** Low risk of RSL failure.
- Heat transfers containing PVC	**Prohibited.** High risk of RSL failure.

12. Guidance on Metal Parts and Finishes on Metal Parts

Extreme care should be taken in the sourcing of metals used in the manufacture of Articles. Great care should also be exercised in the selection of processes used to create finishes on metal parts. Toxic, restricted, and undesirable heavy metals must be eliminated from all supply chain sources and finishing processes.

We require that all suppliers who provide us with metal parts and or finishes, regardless of whether these parts are nominated or not, and regardless of where the supplier resides in the supply chain, to request, obtain, and maintain accurate records of all raw material certificates of conformance, certificates of analysis, specifications, and any and all other records pertaining to the content and limits of off spec elements in source metals and the finished parts that are ultimately incorporated into our products.

Similarly, as it relates to the processes used in applying finishes to metal parts, we require our suppliers and their suppliers in turn to create and maintain accurate records of all process input chemistries used in the application of finishes to metal parts used in our products.

Should banned heavy metals be found we require our suppliers to determine the root cause of the contamination and implement corrective actions in order to eliminate them from the supply chain.

13. Guidance on Phthalates

Simply, phthalates are harmful substances and are banned in all Burton products. We require all suppliers provide us with proof and assurances that all materials (plastics, glues, adhesives, inks, paints, etc.) are free of these substances. Should phthalate(s) be found, we require our suppliers to determine the root cause of the contamination and implement corrective actions in order to eliminate them from the supply chain.

14. Guidance on Lead in Paints, Substrates, and Surface Coatings

Lead has been a banned substance for many years. Yet, it can still be a significant contaminant in many supply chains. We require our suppliers to take every reasonable measure to eliminate all potential sources of lead from entering our supply chain and finished products. Should lead be found we require our suppliers to determine the root cause of the contamination and implement corrective actions in order to eliminate it from the supply chain.

15. The Registration, Evaluation, Authorization, and Restriction of Chemicals, Regulation EC No 1907/2006 (REACH)

None of the products and packaging materials supplied to Burton shall contain; SVHC candidate(s) in excess of 0.1%, substances restricted in articles, or that are subject to authorization under REACH. Your signature certifies your commitment to comply with this and all future SVHC candidates added to the law. You will immediately inform Burton in the event that an SVHC is present in excess of 0.1% in an article supplied to Burton.
http://echa.europa.eu/web/guest/candidate-list-table.

16. Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986

None of the products and packaging supplied to Burton shall contain any chemical(s) listed on the Proposition 65 list. In the event that a Prop65 chemical(s) is present in a product or packaging, you shall notify Burton prior to production and with sufficient lead-time in order to comply with the applicable labeling requirements of the law and reasonably meet target date for product launch to market. You will also commit to removing said chemical(s) from our supply chain, manufacturing processes, products, and packaging supplied to Burton as soon as reasonably achievable.
http://www.oehha.ca.gov/prop65/prop65_list/Newlist.html

17. The Consumer Product Safety Act (CPSA), The Consumer Product Safety Improvement Act (CPSIA), and the Canada Consumer Product Safety Act (CCPSA)

Products and packaging you provide Burton shall comply with the applicable requirements of CPSA, CPSIA, and CCSPA. This includes but is not limited to the furnishing of 3rd party analytical testing reports for lead in children's products. http://www.cpsc.gov/en/Regulations-Laws--Standards/Statutes/The-Consumer-Product-Safety-Improvement-Act/.

http://www.hc-sc.gc.ca/cps-spc/legislation/acts-lois/ccpsa-lcspc/index-eng.php

Note: CPSIA requires 3rd party analytical testing for Lead, Phthalates, and Flammability in children's products.

18. Use of Biocides and Pesticides

Any product provided to Burton containing a biocide or pesticide shall comply with the EU Biocidal Products Rule and US EPA regulations. These substance(s) must be approved for use by the European Chemicals Agency (ECHA) and the US EPA prior to production. Products and their packaging shall be labeled in accordance to these regulations including a claim of the biocidal product ("anti-stink," "Antimicrobial," etc.) and the name of the biocide. The manufacturer of the biocide shall provide all accurate and necessary information in order to meet these labeling requirements.

http://echa.europa.eu/regulations

http://www2.epa.gov/pesticide-registration

19. Products and Materials Intended to Have Contact with Food

Any product or material intended to have contact with food shall comply with the US FDA 21CFR 177.xxxx. Suppliers shall provide declaration(s) of compliance to this regulation to Burton prior to production.

http://www.fda.gov/Food/IngredientsPackagingLabeling/PackagingFCS/default.htm