



January 2018

To Our Important Customer,

Thank you for the opportunity to supply our quality apparel products to you and your manufacturers. In connection with this we are pleased to clarify for you an understanding of the Talon International, Inc. products and our continued commitment to superior Quality products.

Talon International, Inc. is a global supplier of specialized apparel trim products and accessories for major industry brands, apparel manufacturers, specialty retailers, and mass merchandisers. Our products and services include zippers and fasteners under our brand name, Talon®, as well as private label products for numerous global apparel brands.

All of our products are manufactured in accordance with the Quality Standards and specifications that we have established for our Talon® brand products which meet or exceed industry standards and most customer specific standards. Your applicable product standards provided to us will be compared with our Talon standards and you will be promptly informed if there are any exceptions where your standards vary significantly or cannot be achieved.

We warrant that our products will comply with the applicable laws and regulations governing these products based upon the countries into which they and/or the finished garments are sold. This includes all regulations regarding Restricted Substances, requirements of the REACH law, and requirements of the CPSIA where our KZ (Kids Zip) products are acquired.

Details of specific substances are set out in this letter. We warrant that our products will meet the specifications identified for that product and that they will be supplied without defect and will meet all performance and color requirements in accordance with the specifications within a reasonable commercial range of acceptability. Specialty wash and/or manufacturing processes can impact the color and performance of our products. Accordingly, products subjected to any wash or manufacturing process not outlined within the product specifications should be independently sampled and tested prior to any bulk production or acceptance.

Our Talon® branded products retain an industry reputation as among the highest quality trims, zippers and fasteners within the industry, and our Company is committed to providing quality apparel products to all of our customers.

We are confident that our products will meet or exceed your requirements and that we can provide quality trim products that will compliment your quality apparel garments.

Thank you for the opportunity to serve you.

Sincerely,

Manager of Compliance



RESTRICTIVE SUBSTANCES GUARANTEE

MATERIAL PERFORMANCE SPECIFICATIONS

All Talon products are made in accordance with Manufacturing Specifications and Bill of Materials for Talon International, Inc. Product Standards which comply with the following specific guidelines and regulations.

In the event it is specifically requested, our products will be manufactured to specifications whereby metal components have a magnetic signature of less than or equal to that of a ferromagnetic steel ball 1.2 mm in diameter (Needle Detector Compatible).

METALS

The article is warranted to NOT CONTAIN the following metals in excess of the amount listed in the legislative requirements noted:

Substance	CAS Number	Limit	Legislation / Protocol	
Lead:				
1	On Surface Coatings	7439-92-1	90ppm	CPSC 16 CFR 1303, CPSIA
2	Substrates		100ppm	CPSIA
Cadmium (Both coating & substrate)		7440-43-9	100ppm	REACH ANNEX XVII 23
Heavy Metals (Soluble):				
1	ANTIMONY (SB)	7440-36-0	60ppm	ASTM F 963 EN71-3
2	ARSENIC (AS)	7440-38-2	25ppm	
3	BARIUM (BA)	7440-39-3	1000ppm	
4	CADMIUM (CD)	7440-43-9	75ppm	
5	CHROMIUM (CR)	7440-47-3	60ppm	
6	LEAD (PB)	7439-92-1	90ppm	
7	MERCURY (HG)	7439-97-6	60ppm	
8	SELENIUM (SE)	7782-49-2	500ppm	
Nickel		7440-02-0	<0.5 ug/cm ² /week	EN1811:2011+ A1:2015 (without coating) EN 12472 & EN1811: 2011 + A1:2015 (with coating)
Toxic Element in Packaging:				
1	CADMIUM (CD)	7440-43-9	<100ppm	TPCH/ Directive 94/62/EC amended by 2005/20/EC - Packaging
2	LEAD (PB)	7439-92-1		
3	MERCURY (HG)	7439-97-6		
4	Chromium, Hexavalent (Cr VI)	18540-29-9		
Chromium, Hexavalent (Cr VI)		18540-29-9	Non Detected (3ppm)	EN ISO 17072-1: 2011 (Leather Only) ISO 17075

AZO DYES

The article is warranted to NOT CONTAIN AZO dyes that can form any of the amines listed in the German Consumer Goods Ordinance (Bedarfgegenständeverordnung) of December 3, 1997 last amended on January 7, 2004, Section 3 in connection with Annex 1 No. 7, when one or more AZO groups are broken down (see the following list, state December 2004), or in excess of the amount listed in the legislative requirement noted:

	Substance	CAS Number	Limit	Legislation / Protocol
1	Benzidine	92-87-5	30ppm	EU Directive 2002/61/EC
2	4-Aminodiphenyl	92-67-1		
3	4-Chlor-o-toluidine	95-69-2		
4	2-Naphtylamine	91-59-8		
5	o-Aminoazotoluene	97-56-3		
6	2-Amino-4-nitrotoluene	99-55-8		
7	p-Chloroaniline	106-47-8		
8	2,4-Diaminoanisole	615-05-4		
9	4,4'-Diamino-diphenylmethane	101-77-9		
10	3,3'-Dichlorobenzidine	91-94-1		
11	3,3'-Dimethoxybenzidine	119-90-4		
12	3,3'-Dimethylbenzidine	119-93-7		
13	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0		
14	p-Cresidine	120-71-8		
15	4,4'-methylene-bis(2-chloraniline)	101-14-4		
16	4,4'-Oxydianiline	101-80-4		
17	4,4'-Thiodianiline	139-65-1		
18	o-Toluidine	95-53-4		
19	2,4-Toluediamine	95-80-7		
20	2,4,5-Trimethylaniline	137-17-7		
21	o-Anisidine	90-04-0		
22	p-Amino-azo-benzene	60-09-3		
23	2,4-Xylidine	95-68-1		
24	2,6-Xylidine	87-62-7		

PHTHALATES

The article is warranted to NOT CONTAIN PHTHALATES in excess of the amount listed in the legislative requirement noted:

Substance		CAS Number	Restricted Limit	Legislation / Protocol
1	Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	DEHP+BBP+DBP≤1000ppm DINP+DIDP+DNOP≤1000ppm	EU Directive 2005/84/EC European Union REACH Regulation (EC) No. 1907/2006 Annex XVII, SVHC Candidates list
2	Butyl benzyl phthalate (BBP)	85-68-7		
3	Dibutyl phthalate (DBP)	84-74-2		
4	Di-isononyl phthalate (DINP)	28553-12-0		
5	Di-iso-decyl phthalate (DIDP)	26761-40-0		
6	Di-n-octyl ortho-phthalate (DNOP)	117-84-0	DHEXP, DPENP, DIBP, DCHP each 1000ppm	U.S. Consumer Product Safety Commission (CPSC) /California Proposition 65/California Assembly Bill 1108/CPSIA/Canada Consumer Product Safety Act (CCPSA)
7	Di-n-hexyl phthalate (DHEXP)	84-75-3		
8	Di-n-pentyl phthalate (DPENP)	131-18-0		
9	Di-iso-butyl phthalate (DIBP)	84-69-5		
10	Dicyclohexyl phthalate (DCHP)	84-61-7		

ORGANOTIN COMPOUNDS

The article does not contain the following compounds in excess of the amount listed as per Euro Eco Label.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Tributyltin (TBT)	56573-85-4	0.5 ppm (sum of TBT & TPhT)	DIN EN ISO 17353 South Korea
Triphenyltin (TPhT)	668-34-8		
Tripropyltin (TPT)	761-44-4	0.5 ppm	EU: European Union REACH Regulation (EC) No. 1907/2006 Annex XVII item 20 2009/425/EC OEKO-TEX® Standard 100
Trioctyltin (TOT)	869-59-0	0.5 ppm	
Tricyclohexyltin (TcyHT)	6056-50-4	0.5 ppm	
DBT	1002-53-5	1 ppm	
DOT	15231-44-4	1 ppm	

DISPERSE DYES

The article is not dyed or printed with disperse dyestuff listed below and the material is within the limited requirements listed as per the German Food and Commodities Law § 30 (DIN 54231).

	Substance	CAS Number	Restricted Limit	Source of Legislation / Method
1	Disperse Blue 1	2475-45-8	Not Detected	§64 LFGB B82.02-10. DIN 54231 Test Method - Detection Limit is 5 mg/L in extract
2	Disperse Blue 3	2475-46-9		
3	Disperse Blue 7	3179-90-6		
4	Disperse Blue 26	3860-63-7		
5	Disperse Blue 35	12222-75-2		
6	Disperse Blue 102	12222-97-8		
7	Disperse Blue 106	12223-01-7		
8	Disperse Blue 124	61951-51-7		
9	Disperse Brown 1	23355-64-8		
10	Disperse Orange 1	2581-69-3		
11	Disperse Orange 3	730-40-5		
12	Disperse Orange 11	82-28-0		
13	Disperse Orange 37/59/76	12223-33-5 13301-61-6		
14	Disperse Orange 149	85136-74-9		
15	Disperse Red 1	2872-52-8		
16	Disperse Red 11	2872-48-2		
17	Disperse Red 17	3179-89-3		
18	Disperse Yellow 1	119-15-3		
19	Disperse Yellow 3	2832-40-8		
20	Disperse Yellow 9	6373-73-5		
21	Disperse Yellow 23	6250-23-3		
22	Disperse Yellow 39	12236-29-2		
23	Disperse Yellow 49	54824-37-2		
24	Acid Red 26	3761-53-3		
25	Basic Red 9	569-61-9		
26	Basic Violet 14	632-99-5		
27	Direct Black 38	1937-37-7		
28	Direct Blue 6	2602-46-2		
29	Direct Red 28	573-58-0		
30	Direct Brown 95	16071-86-6		
31	Navy Blue (Blue Colorant)	118685-33-9	0.1% by mass	EU Directive 2003/3/EC

FLAME RETARDANTS

The article is not processed with following flame retardants and the material is within the limited requirements listed as per the Japanese Law no. 112, EU Directive 2003/11/EC and EU Directive 76/769/EEC.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Bis (2,3-dibromopropyl) phosphate	5412-25-9	Not detected	Japanese Law 112, EU Directive 2003/11/EC & 76/769/EEC South Korea
Octabromodiphenyl ether	32536-52-0		
Pentabromodiphenyl ether (PBDE)	32534-81-9		
Polybromobiphenyles (PBB)	59536-65-1		
Tris (1-aziridinyl) phosphine oxide (TEPA)	545-55-1		
Tris-(2,3,-dibromopropyl)-phosphate (TRIS)	126-72-7		
Tris(2-chloroethyl) phosphate (TCEP)	115-96-8		
TRIS (1,3 dichloro-2-propyl)phosphate (TDCPP)	13674-87-8		
Hexabromocyclododecane (HBCDD)	25637-99-4		
SCCP- Chlorinated paraffins (C10-C13)	85535-84-8	Not detected	EU Directive 2002/45/EC
Decabromodiphenyl ether (DecaBDE)	1163-19-5	0.1% by weight	Swedish Legislation

FORMALDEHYDE

The article does not contain formaldehyde in excess of the limited requirements listed as per Japanese Law no. 112.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Formaldehyde - Baby/Kids (0-36 months) - Adult >36 months skin contact items, underwear & sportswear - Adult >36 months indirect skin contact outerwear	50-00-0	Not detected 75 ppm 300 ppm	ISO 14184-1/ DIN ISO 17226 Reporting limit 20 mg/L

PERFLUOROCTANE SULFONATE (PFOS) & PERFLUOROCTANOIC ACID (PFOA)

The article is not processed with Perfluoro Octane Sulfonate in excess of the limited requirements listed as per EU Directive: 2006/122/EC

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Perfluoro Octane Sulfonate (PFOS) [Solvent Extraction LC-MS]	2795-39-3	1 u g/m ²	2006/122/EC Canada
Perfluorooctanoic acid (PFOA) [Solvent Extraction LC-MS]	335-67-1	1 u g/m ²	

SOLVENTS (Aliphatic Chlorohydrocarbons)

The article does not contain the following solvents in excess of the amount listed below nor are they processed using any of these solvents.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Pentachloroethane	76-01-7	0.1% (mass) Total	German Environmental Law- Chemikalien- Verbotsverordnung 2003 Japanese Environmental Standards
Carbon Tetrachloride	56-23-5		
1,1,1,2-Tetrachloroethane	630-20-6		
1,1,2,2-Tetrachloroethane	79-34-5		
Chloroform	67-66-3		
1,1,2-Trichloroethane	79-00-5		
1,1-Dichloroethane	75-35-4		
1,1,1-Trichloroethane	71-55-6		
Tetrachloroethylene	127-18-4		

ASBESTOS

The article does not contain the following asbestos compounds nor are they processed in a facility with presence of these compounds.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Actinolite	77536-66-4	Not detected	European Union Council Directive 76/769/EEC and 99/77/EC
Amosite	12172-73-5		
Anthrophyllite	77536-67-5		
Chrysotile	12001-29-5		
Crocidolite	12001-28-4		
Tremolite	77536-68-6		

PHENOLS AND PESTICIDES

The article does not contain the following phenols and pesticides in excess of the amount listed in the legislative requirements as below.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Pentachlorophenol (PCP) & its salts/esters, including pentachlorophenoxy compounds	87-86-5	5 ppm	German Chemicals Act DIN ISO 17070
Tetrachlorophenol (TeCP) & its salts/esters, including tetrachlorophenoxy compounds	25167-83-3	Not detected	Swiss ordinance relating to Environmentally Hazardous Substances
2-(2,4,5-trichlorophenoxy) propionic acid, its salts and compounds	93-72-1	Not detected	Switzerland and Finland Switzerland: Art. 9, 11, 35 & 61 ordinance relating to Environmentally hazardous substances Finland: Ministry of Environment Government Decree (735/2002) South Korea
2,4,5-trichlorophenoxyacetic acid, its salts and compounds	93-76-5		
Aldrin	309-00-2		
Chlordane	57-74-9		
Dichloro-diphenyl-dichloro ethane (DDD)	72-54-8		
Dichloro-diphenyl-dichloro ethylene(DDE)	72-55-9		
Dichloro-diphenyl-trichloro ethane (DDT)	50-29-3		
Dieldrin (5)	60-57-1		
Endrine	72-20-8		
Heptachlorine	76-44-8		
Epoxy-heptachlorine	1024-57-3		
Hexachlorobenzene	118-74-1		
Hexachlorocyclohexane (HCH, all isomers) except gamma-hexachlorocyclohexane & except linande [58-89-9] in medical products	608-73-1		
Isodrin	465-73-6		
Kelevane	4234-79-1		
Kepone (Chlordecone)	143-50-0		
Lindane	58-89-9		
Methoxychlor	72-43-5		
Mirex	2385-85-5		
Perthane	72-56-0		
Quintozene	82-68-8		
Strobane	8001-50-1		
Telodrin	297-78-9		
Toxaphene	8001-35-2		
Halogenated bi-Phenyls, including Polychlorinated biphenyl (PCB)	1336-36-3 53469-21-9		
Halogenated terphenols, including Polychlorinated terphenyl (PCT)	Various		
Halogenated Naphthalenes	Various		
Halogenated diarylalkanes	Various		
Halogenateddiphenyl methane, including Monomethyl-dibromo-diphenyl methane Monomethyl-dichloro-diphenyl methane Monomethyl-tetrachloro-diphenyl methane	99688-47-8 81161-70-8 76253-60-6		

DIOXINS AND FURANS

The article does not contain the following chemicals excess of the amount listed below.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Group 1. 2,3,7,8-Tetrachlorodibenzo-p-dioxin 1,2,3,7,8-Pentachlorodibenzo-p-dioxin 2,3,7,8-Tetrachlorodibenzofuran 2,3,4,7,8-Pentachlorodibenzofuran	1746-01-6 40321-76-4 51207-31-9 57117-31-4	Sum of Gr 1 < 1 ug/kg	Regulated in Germany Ref: US EPA 8290
Group 2. 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin 1,2,3,7,8-pentachlorodibenzofuran 1,2,3,4,7,8-Hexachlorodibenzofuran 1,2,3,7,8,9-Hexachlorodibenzofuran 1,2,3,6,7,8-Hexachlorodibenzofuran 2,3,4,6,7,8-Hexachlorodibenzofuran	39227-28-6 19408-74-3 57653-85-7 57117-41-6 70648-26-9 72918-21-9 57117-44-9 60851-34-5	Sum of Group 1 & 2 < 5 ug/kg	
Group 3. 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin 1,2,3,4,6,7,8-Heptachlorodibenzofuran 1,2,3,4,7,8,9-Heptachlorodibenzofuran 1,2,3,4,6,7,8,9-Octachlorodibenzofuran	35822-46-9 3268-87-9 67562-39-4 55673-89-7 39001-02-0	Sum of Group 1, 2 & 3 < 100 ug/kg	
Group 4. 2,3,7,8-Tetrabromodibenzo-p-dioxin 1,2,3,7,8-Pentabromodibenzo-p-dioxin 2,3,7,8-Tetrabromodibenzofuran 2,3,4,7,8-Pentabromodibenzofuran	50585-41-6 109333-34-8 67933-57-7 131166-92-2	Sum of Group 4 < 1 ug/kg	
Group 5. 1,2,3,4,7,8-Hexabromodibenzo-p-dioxin 1,2,3,7,8,9-Hexabromodibenzo-p-dioxin 1,2,3,6,7,8-Hexabromodibenzo-p-dioxin 1,2,3,7,8-Pentabromodibenzofuran	107555-93-1 110999-46-7 110999-45-6 107555-93-1	Sum of Group 4 & 5 < 5 ug/kg	

FLUORINATED GREENHOUSE GASES

The article does not contain the following chemicals nor are these chemicals used during manufacturing.

Substance	CAS Number	Restricted Limit	Source of Legislation / Method
Sulphur hexafluoride - SF6	2551-62-4	Must not be used	European Union Council Directive 2006/842/EC
<i>Hydrofluorocarbons (HFCs):</i>			
HFC-23 - CHF3	75-46-7		
HFC-32 - CH2F2	75-10-5		
HFC-41 - CH3F	593-53-3		
HFC-43-10mee - C5H2F10	138495-42-8		
HFC-125 - C2HF5	354-33-6		
HFC-134 - C2H2F4	359-35-3		
HFC-134a - CH2FCF3	811-97-2		
HFC-152a - C2H4F2	75-37-6		
HFC-143 - C2H3F3	420-46-0		
HFC-143a - C2H3F3	470-46-6		
HFC-227ea - C3HF7	431-89-0		
HFC-236cb - CH2FCF2CF3	677-56-5		
HFC-236ea - CHF2CHF2CF3	431-63-0		
HFC-236fa - C3H2F6	690-39-1		
HFC-245ca - C3H3F5	679-86-7		
HFC-245fa - CHF2CH2CF3	406-58-6		
HFC-365mfc - CF3CH2CF2CH3	406-58-6		
<i>Perfluorocarbons (PFCs):</i>			
Perfluoromethane - CF4	75-73-0		
Perfluoroethane - C2F6	76-16-4		
Perfluoropropane - C3F8	76-19-7		
Perfluorobutane - C4F10	355-25-9		
Perfluoropentane - C5F12	678-26-2		
Perfluorohexane - C6F14	355-42-0		
Perfluorocyclobutane - c-C4F8	115-25-3		

PH Levels - RESIDUAL WASHING COMPOUND

All textile products must meet pH level between 5.0 and 8.0.

All leather products must meet pH level between 3.5 and 7.5.

REGULATIONS & REQUIREMENTS – SUMMARIZED BY COUNTRY

As international regulations and requirements are constantly being updated, this may only be considered a partial list. Talon International complies with all applicable international regulations and requirements including, but not limited to, the following:

USA Relevant Regulations

- CPSIA (product safety, including limits for permissible content of lead, heavy metals and phthalates)
- 16 CFR, Part 1303
- ASTM F963-11
- The Safe Drinking Water and Toxic Enforcement Act of 1986 (CA 65)
- EPA 8290 (Dioxins & Furans)
- Children's Safe Product Act of Washington
- Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (“**Dodd-Frank**”)
- TPCH (The Toxics Element in Packaging)
- Consumer Product Safety Commission (CPSC) Prohibits Certain Phthalates

In addition to the above existing regulations, Talon International also complies with the legislation known as “California REACH” (California Assembly Bill 1879, California Senate Bill 509). Similar to European REACH legislation, these joined bills establish a regulatory process whereby toxic substances can be identified, evaluated and restricted based upon the input of the scientific community. Known as the Green Chemistry Initiative, it is administered by the existing Department of Toxic Substances Control (DTSC) in the California Environmental Protection Agency. The department must issue the regulations necessary to establish and support the initiative by January 1, 2011. This legislation affects items sold within the State of California, and therefore effectively, the entire U.S.

EU Relevant Regulations

- 1907/2006/EU, REACH
- EU Directive 2002/61/EC (Azo dyes)
- Directive 94/62/EC amended by 2005/20/EC - Packaging
- Decision 97/129/EC - Marking
- SI 2003 No 1941 - UK
- EU Directive 2003/3/EC (Disperse dyes)
- German Food Commodity & Feed Act GB B82.02-10 (Disperse dyes)
- ISO 14184-1/ DIN ISO 17226 (Formaldehyde)
- EU Directive 91/338/EEC (Cadmium)
- German Food and Commodities Law § 30 (Chromium VI)
- EU ECO Label requirement (Chromium VI)
- Danish Statutory Order No. 1012 (Lead)
- EU Directive 94/27/EC, EN 1811 & EN 12472 (Nickel Release)
- Euro ECO label requirement DIN EN ISO 17353 (organotin compounds)
- EU Directive: 2005/84/EC (phthalates)
- EU Directive: 2006/122/EC (Perfluorooctane Sulfonate)
- German Aliphatic Hydrocarbon Regulation (Chemikalien-Verbotsverordnung 2003)
- EU Directive 76/769/EEC and 99/77/EC (asbestos)
- German Chemicals Act (Phenols)
- Swiss ordinance relating to Environmentally Hazardous Substances
- Switzerland: Art. 9, 11, 35 & 61 ordinance relating to environmentally hazardous substances
- Finland: Ministry of Environment Government Decree (735/2002)

- German Regulation: Dioxins & Furans
- EU Directive 2006/842/EC RE: Fluorinated Greenhouse Gases
- EN 71 Part 3- 2013

JAPAN Relevant Regulations

- Japanese Aliphatic Hydrocarbon Regulations
- Needle detection requirements
- JIS H1056-2003 Methods for determination of nickel in copper & copper alloys
- JIS H 1053-2003 Methods for determination of Lead in copper & copper alloys
- ST 2012
- Japanese Law 112

KOREA Relevant Regulations

- Korea EPR

International Relevant Regulations

- ISPM-15
- ISO 17234-1:2015 specifies a method for determining the use of certain AZO colorants which can release certain aromatic amines
- ISO 14184-1 Textiles--Determination of Formaldenhyde
- ISO 17353 Water quality - Determination of selected organotin compounds
- ISO 17226-1 specifies a method for the determination of free and released formaldehyde in leathers
- ISO 17070-2015 Leather - Chemical tests - Determination of pentachlorophenol content (ISO 17070:2015);