

“Voluntary Standards on Nonuse of Harmful Substances for Textiles and Clothing”

1. Background and purpose

Amid growing interest of consumers in security and safety in recent years, it is also an important challenge to continue to meet the request of consumers for security and safety in textile products such as clothes.

Therefore, from the viewpoints of ensuring the safety of textile products that are distributed in Japan and promoting the harmonization with regulations in other countries, the “study committee on environmental and safety issues in the textile industry” was formed in September 2008, and the issues have been examined since then.

In Japan, textile products are regulated under the “Act on Control of Household Products Containing Harmful Substances” not to allow toxic substances to mix into final products. The act is applied to mothproof finishing agents such as dieldrin and formaldehyde and others, but not applied to specific aromatic amines and others, which are regulated in EU and China.

There is a move afoot in the government to consider introduction of laws and regulations concerning specific aromatic amines. In such circumstances, the voluntary standards are developed by the textile industry ahead of the government for the supply chain as a whole with the aim of providing more worry-free and safer textile products.

2. Outline of voluntary standards

- (1) Azo colorants (dyes and pigments) whose respective specific aromatic amines are detected by the prescribed test methods from textile products (excluding some textile products for non-clothing applications) in excess of 30 mg/kg must not be used.
- (2) Efforts are made to create the basis to further increase safety by checking the conformity with the standards with the declaration of nonuse of dyes that could produce applicable substances and others in each stage of supply chain and by clarifying traceability of products.

3. Efforts to comply with voluntary standards

In this efforts, we create a mechanism that can guarantee security and safety with grounds (nonuse declaration, assay certificate, etc.) that conform to the standards.

- (1) To make more certain the effectiveness of guarantee of nonuse declaration, etc., we create a mechanism (requirements of trade contracts, Procurement Standard Statement, etc.) to responsibly manage the information about nonuse of dyes

that could produce the applicable substances in each stage of supply chain and appropriately check the conditions of management by suppliers.

- (2) We strive to create a mechanism to acquire, store and deliver the grounds for nonuse of harmful substances, which are indicated by respective dyehouses of dyeing companies, in the forms that conform to the specifications and distribution forms of respective products in each stage of supply chain.

Attached file: ① Voluntary Standards on Nonuse of Harmful Substances for Textiles and Clothing

② List of organizations and groups that participate in the study committee on environmental and safety issues in the textile industry

Voluntary Standards on Nonuse of Harmful Substances for Textiles and Clothing

Japan Textile Federation

Date of development: December 22, 2009

Date of revision: September 10, 2012

Preface

The Voluntary Standards on Nonuse of Harmful Substances for Textiles and Clothing (hereinafter referred to as “voluntary standards”) stipulate certain standards to eliminate as much as possible toxic substances from a wide variety of textile products that are handled in the area of activity of Japan Textile Federation. Therefore, the voluntary standards are not aimed at hindering respective companies from stipulating their standards as necessary to further improve product safety.

1. Purpose

The voluntary standards are aimed at eliminating the inclusion of toxic substances in textile products and providing more worry-free and safer textile products.

2. Applicable products

As for the scope of application of textile products, the voluntary standards are applied to “Classification Code 78: Clothing (excluding footwear and personal effects),” “Classification Code 79: Personal Effects” and “Classification Code 82: Textile Products for Household Use” among the products listed on the Standard Commodity Classification for Japan. However, some products for non-clothing applications are excluded (those products listed on Application Codes 793, 795-798, 821, 823-826 and 828 are not applicable).

(Reference: Standard Commodity Classification for Japan, Retrieval System (General Contact for Government Statistics))

<http://www.e-stat.go.jp/SG1/htoukeib/TopDisp.do;jsessionid=53pvKbhQBSJh15VkJyCh50vGHMTlp26yxhSwLTXbvtTV1ZGpvFk2!-680659475!-2122447549?bKind=03>

3. Applicable contents and standards (see the annexed list for details)

Applicable substances	Standards
Specific aromatic amines (22 substances)	Azo colorants (dyes and pigments), from which any of specific aromatic amines is detected in excess of 30 mg/kg of textile products as a result of reductive decomposition of azo groups by the prescribed test methods, must not be used.

4. Operation

Efforts are made to create the basis to further increase safety by checking the conformity with the standards with the declaration of nonuse of applicable substances in each stage of supply chain and by clarifying traceability of products.

Supplementary provision: the voluntary standards shall be reviewed as appropriate and add applicable substances.

Annexed list: Applicable substances

Specific aromatic amines

CAS No	Name of substance	Description of standards	Method of verification	Prescribed test methods
92-67-1	Biphenyl-4-ylamine	Azo colorants (dyes and pigments), from which any of specific aromatic amines is detected in excess of 30 mg/kg of textile products as a result of reductive decomposition of azo groups by the prescribed test methods, must not be used.	Analyses by the prescribed test methods (provided, however, that such analyses are not necessary, if there are the nonuse declarations presented by dye manufacturers, dyeing companies and others)	The following methods should be used. EN 14362-1:2003 “Textiles — Methods for the determination of certain aromatic amines derived from azo colorants — Part 1: Detection of the use of certain azo colorants accessible without extraction” EN 14362-2:2003 “Textiles — Methods for determination of certain aromatic amines derived from azo colorants — Part 2: Detection of the use of certain azo colorants accessible by extracting the fibres” <u>Prescribed assay methods:</u> <u>The following either set of assays should be used.</u> <u>EN 14362-1&-3:2012 or EN 14362-1&-2:2003 until ISO issues ISO 24362 1&3.</u>
92-87-5	Benzidine			
95-69-2	4-Chloro-o-toluidine			
91-59-8	2-Naphthylamine			
97-56-3	o-Aminoazotoluene			
99-55-8	5-Nitro-o-toluidine			
106-47-8	4-Chloroaniline			
615-05-4	4-Methoxy-m-phenylenediamine			
101-77-9	4,4'-Diaminodiphenylmethane			
91-94-1	3,3'-Dichlorobenzidine			
119-90-4	3,3'-Dimethoxybenzidine			
119-93-7	3,3'-Dimethylbenzidine			
838-88-0	4,4'-Methylenedi-o-toluidine			
120-71-8	6-Methoxy-m-toluidine			
101-14-4	4,4'-Methylene-bis-(2-chloro-aniline)			
101-80-4	4,4'-Oxydianiline			
139-65-1	4,4'-Thiodianiline			
95-53-4	o-Toluidine			
95-80-7	4-Methyl-m-phenylenediamine			
137-17-7	2,4,5-Trimethylaniline			
90-04-0	o-Anisidine			
60-09-3	4-Aminoazobenzene			

Names of substances are based on Annex XVII (Appendix 8) of REACH. Differences of substances should be determined based on CAS No.

CAS No	Name of substance	Other names	日本語名称	異称(日本語)
92-67-1	Biphenyl-4-ylamine	4-Aminobiphenyl p-Biphenylamine [1,1'-Biphenyl]-4-amine	ビフェニル-4-イルアミン	4-アミノビフェニル p-ビフェニルアミン [1,1'-ビフェニル]-4-アミン
92-87-5	Benzidine	4,4'-Diaminobiphenyl [1,1'-Biphenyl]-4,4'-diamine-4,4-Diaminobiphenyl p-Diaminodiphenyl	ベンジジン	4,4'-ジアミノビフェニル [1,1'-ビフェニル]-4,4'-ジアミン-4,4'-ジアミノビフェニル p-ジアミノジフェニル
95-69-2	4-Chloro-o-toluidine	1-Amino-4-chloro-2-methylbenzene	4-クロロ-o-トルイジン	1-アミノ-4-クロロ-2-メチルベンゼン
91-59-8	2-Naphthylamine	2-Aminonaphthalene β-Naphthylamine 2-Naphthalamine 2-Naphthylamine mustard	2-ナフチルアミン	2-アミノナフタレン β-ナフチルアミン 2-ナフタルアミン 2-ナフチルアミン マスタード
97-56-3	o-Aminoazotoluene	4'-Amino-2,3'-dimethylazobenzene o-Tolueneazo-o-toluidine 2-Amino-5-azotoluene Benzenamine, 2-methyl-4-[(2-methylphenyl)azo]-	o-アミノアゾトルエン	4'-アミノ-2,3'-ジメチルアゾベンゼン o-トルエンアゾ-o-トルイジン 2-アミノ-5-アゾトルエン ベンゼンアミン, 2-メチル-4-[(2-メチルフェニル)アゾ]-
99-55-8	5-Nitro-o-toluidine	2-Amino-4-Nitrotoluene 2-Methyl-5-nitroaniline 6-Methyl-3-nitroaniline	5-ニトロ-o-トルイジン	2-アミノ-4-ニトロトルエン 2-メチル-5-ニトロアニリン 6-メチル-3-ニトロアニリン
106-47-8	4-Chloroaniline	p-Chloroaniline p-Chloroaminobenzene 4-Chlorobenzenamine 4-Chloro aminobenzene	4-クロロアニリン	p-クロロアニリン p-クロロアミノベンゼン 4-クロロアミノベンゼン 4-クロロベンゼンアミン
615-05-4	4-Methoxy-m-phenylenediamine	2,4-diaminoanisole 4-Methoxy-1,3-benzenediamine 2,4-Diaminophenyl methyl ether 3-Amino-4-methoxyaniline p-Methoxy-m-phenylenediamine 1,3-Benzenediamine,4-methoxy-	4-メトキシ-m-フェニレンジアミン	2,4-ジアミノアニソール 4-メトキシ-1,3-ベンゼンジアミン 2,4-ジアミノフェニルメチルエーテル 3-アミノ-4-メトキシアニリン p-メトキシ-m-フェニレンジアミン 1,3-ベンゼンジアミン,4-メトキシ-
101-77-9	4,4'-Diaminodiphenylmethane	4,4'-Methylene-bis[benzenamine] 4,4'-Methylenedianiline p,p'-Methylenedianiline p,p'-Diaminodiphenylmethane Benzenamine,4,4'-methylenebis-	4,4'-ジアミノジフェニルメタン	4,4'-メチレンビスベンゼンアミン 4,4'-メチレンジアニリン p,p'-メチレンジアニリン p,p'-ジアミノジフェニルメタン ベンゼンアミン,4,4'-メチレンビス-
91-94-1	3,3'-Dichlorobenzidine	3,3'-Dichloro-4,4'-diaminobiphenyl [1,1'-Biphenyl]-4,4'-diamine,3,3'-dichloro-	3,3'-ジクロロベンジジン	3,3'-ジクロロ-4,4'-ジアミノビフェニル [1,1'-ビフェニル]-4,4'-ジアミン,3,3'-ジクロロ-
119-90-4	3,3'-Dimethoxybenzidine	Dianisidine o-Dianisidine 3,3'-Dimethoxy-[1,1'-biphenyl]-4,4'-diamine Di-p-aminodimethoxybiphenyl Dimethoxybenzidine	3,3'-ジメトキシベンジジン	ジアニシジン o-ジアニシジン 3,3'-ジメトキシ-[1,1'-ビフェニル]-4,4'-ジアミン ジ-p-アミノジメトキシジフェニル ジメトキシベンチジン
119-93-7	3,3'-Dimethylbenzidine	o-Tolidine 3,3'-Dimethyl-4,4'-diamino-biphenyl 4,4'-Diamino-3,3'-dimethyl biphenyl	3,3'-ジメチルベンジジン	o-トリジン 3,3'-ジメチル-4,4'-ジアミノビフェニル 4,4'-ジアミノ-3,3'-ジメチルビフェニル
838-88-0	4,4'-Methylenedi-o-toluidine	3,3'-Dimethyl-4,4'diaminodiphenylmethane 4,4'-Methylenebis(methylanilinn) 4,4'-Methylenebis(2-methyl benzenamine) Bis(4-Amino-3-methylphenyl)methane	4,4'-メチレンジ-o-トルイジン	3,3'-ジメチル-4,4'ジアミノジフェニルメタン 4,4'-メチレンビス(メチルアニリン) 4,4'-メチレンビス(2-メチルベンゼンアミン) ビス(4-アミノ-3-メチルフェニル)メタン
		p-cresidine 2-Methoxy-5-methyl-benzenamine		p-クレシジン 2-メトキシ-5-メチル-ベンゼンアミン

CAS No	Name of substance	Other names	日本語名称	異称(日本語)
120-71-8	6-Methoxy-m-toluidine	5-Methyl-o-anisidine 1-Amino-2-methoxy-5-methylbenzene 2-Methoxy-5-methylaniline	6-メトキシ-m-トルイジン	5-メチル-o-アニシジン 1-アミノ-2-メトキシ-5-メチルベンゼン 2-メトキシ-5-メチルアニリン
101-14-4	4,4'-Methylene-bis-(2-chloro-aniline)	3,3'-Dichloro-4,4'-diaminodiphenylmethane 4,4'-Diamino-3,3'-(dichlorodiphenylmethane Poly(di-tetra)chloro-4,4'-diaminodiphenylmethane 4,4'-Methylenebis-(2-Chlorobenzenamine) 4,4'-Methylene bis-(3-Chlorobenzenamine) 4-(4-Aminophenylmethyl)-2,5-Dichloroaniline 4,4'-Methylenebis-[2,6-dichlorobenzenamin] Methylene-4,4'-bis-(o-chloroaniline)bis amine	4,4'-メチレン-ビス-(2-クロロアニリン)	3,3'-ジクロロ-4,4'-ジアミノジフェニルメタン 4,4'-ジアミノ-3,3'-ジクロロジフェニルメタン ポリ(ジ-テトラ)クロロ-4,4'-ジアミノジフェニルメタン 4,4'-メチレンビス[2-クロロベンゼンアミン] 4,4'-メチレンビス[3-クロロベンゼンアミン] 4-(4-アミノフェニルメチル)-2,5-ジクロロアニリン 4,4'-メチレンビス[2,6-ジクロロベンゼンアミン] メチレン-4,4'-ビス-(o-クロロアニリン)ビスアミン
101-80-4	4,4'-Oxydianiline	4,4'-Diaminodiphenyl ether 4,4'-Oxybisbenzenamine 4,4'-Diaminodiphenyl oxide Di-4-aminophenyl ether	4,4'-オキシジアニン	4,4'-ジアミノジフェニルエーテル 4,4'-オキシビスベンゼンアミン 4,4'-ジアミノジフェニルオキシド ジ-4-アミノフェニルエーテル
139-65-1	4,4'-Thiodianiline	4,4'-Diaminodiphenylsulfide 4,4'-Diaminophenyl sulfide 4,4'-Thiobis[aniline] p,p'-Diaminodiphenyl sulfide p,p'-Thiodianiline Thiobisbenzenamine Aniline,4,4'-thiodi- Bis(4-aminophenyl)sulfide Di(p-aminophenyl)sulfide Thiodi-p-phenylenediamine Thioaniline	4,4'-チオジアニン	4,4'-ジアミノジフェニルスルフィド 4,4'-ジアミノフェニルスルフィド 4,4'-チオビス[アニリン] p,p'-ジアミノジフェニルスルフィド p,p'-チオジアニン チオビスベンゼンアミン アニリン,4,4'-チオジ- ビス(4-アミノフェニル)スルフィド ジ(p-アミノフェニル)スルフィド チオ-p-フェニレンジアミン チオアニリン
95-53-4	o-Toluidine	o-Tolyl amine o-Aminotoluene o-Methylaniline Benzenamine,2-methyl-	o-トルイジン	o-トルルアミン o-アミノトルエン o-メチルアニリン ベンゼンアミン,2-メチル-
95-80-7	4-Methyl-m-phenylenediamine	2,4-toluylenediamine m-Toluylenediamine 2,4-Diaminotoluene 2,4-Toluenediamine Toluene-2,4-diamine 4-Methyl-1,3-phenylenediamine	4-メチル-m-フェニレンジアミン	2,4-トルイレンジアミン m-トルイレンジアミン 2,4-ジアミノトルエン 2,4-トルエンジアミン トルエン-2,4-ジアミン 4-メチル-1,3-フェニレンジアミン
137-17-7	2,4,5-Trimethylaniline	Benzenamine,2,4,5-trimethyl- 1-Amino-2,4,5-trimethylbenzene Pseudocumidine	2,4,5-トリメチルアニリン	ベンゼンアミン,2,4,5-トリメチル- 1-アミノ-2,4,5-トリメチルベンゼン プソイドクミジン
90-04-0	o-Anisidine	o-Methoxyaniline o-Methoxyphenylamine o-Aminoanisole o-Aminomethoxybenzene 2-Methoxybenzenamine 2-Anisidine 2-Aminoanisole	o-アニシジン	o-メトキシアニリン o-メトキシフェニルアミン o-アミノアニソール o-アミノメキシベンゼン 2-メトキシベンゼンアミン 2-アニシジン 2-アミノアニソール
60-09-3	4-Aminoazobenzene	p-Phenylazoaniline 4-(Phenylazo)benzenamine p-Aminoazobenzene 4-Amino-1,1'-azobenzene	4-アミノアゾベンゼン	p-フェニルアゾアニリン 4-(フェニルアゾ)ベンゼンアミン p-アミノアゾベンゼン 4-アミノ-1,1'-アゾベンゼン

List of organizations and groups that participate in the study committee on
environmental and safety issues in the textile industry

Name of organizations and groups

Japan Textile Federation

Japan Spinners' Association

Japan Chemical Fibers Association

Japan Wool Spinners' Association

Japan Cotton & Staple Fiber Weavers' Joint Association

Japan Silk & Rayon Weavers' Association

Japan Worsted & woollen Weavers Association

Japan Textile Finishers' Association

Japan Wool Dyers' & Finishers' Association

Japan Knitting Industry Association

Japan Textiles Importers Association

Federation of Japan Textile Fabric Wholesalers' Association

Japan Textile Dyeing & Printing Association

Japan Towel Industrial Association

Japan Apparel Fashion Industry Council

Nippon Interior Fabrics Association

Japan Women's and Children's Wear Manufacturers' Association

Nihon Body Fashion Association

Japan Chain Stores Association

Japan Department Stores Association

Japan Surfactant Industry Association

Japan Textile Evaluation Technology Council

(Cooperative group)

Japan Dyestuff and Industrial Chemicals Association

(Observers)

Ministry of Economy, Trade and Industry

National Institute of Technology and Evaluation

Chemicals Evaluation and Research Institute, Japan