



Eco Mark Product Category No.105

“Textile Products for Industrial Use Version 2.5”

Japan Environment Association

Eco Mark Office

1. Environmental Background

Since the establishment of Product Category No.105 “Textile Products for Industrial Use Using Recycled PET Resin” in 1997, the number of certified products has increased sharply.

This Eco Mark Product Category was reviewed in accordance with the life cycle concept incorporated by the Eco Mark Program in 1996 for the purposes of: including the development of a system for using, collecting, and recycling clothing made of recyclable textiles in the criteria, in addition to recyclable PET resins, thereby placing the point of focus from textiles to recycling for textiles; and also promoting the smooth development of a recycling-oriented society by the spread of recycled products.

Various chemical substances such as dyes and bleach are used on clothing products. Existing criteria of this Product Category have been recommending unbleached products, dye-free products, and products dyed by natural colors such as plant derivatives to reduce the use of chemicals. Considering the relationships between dyes and our health or the environment, however, special attention should be paid to processing agents such as formaldehyde. Therefore, review was made in terms of the handling of chemical substances in addition to the efficient use of resources.

NOTE: This document is a translation of the criteria written in Japanese. In the event of dispute, the original document should be taken as authoritative.

2. Applicable Products

Textile products for industrial use (belts, canvas, bags, packaging fabric, binding material, zips, oil absorbing materials, *tatami* mat materials, hoses, tobacco filters, synthetic leather base fabrics, electric materials, and automotive upholsteries, fiber materials for construction, etc.); “non-woven fabrics and felt of lace fabrics or non-woven fabrics”; “nets, fences and ropes of other fabricated basic textiles”, and “knit fabrics” of the “Japan Standard Commodity Classification” issued by the Ministry of Public Management, Home Affairs, Posts and Telecommunications.

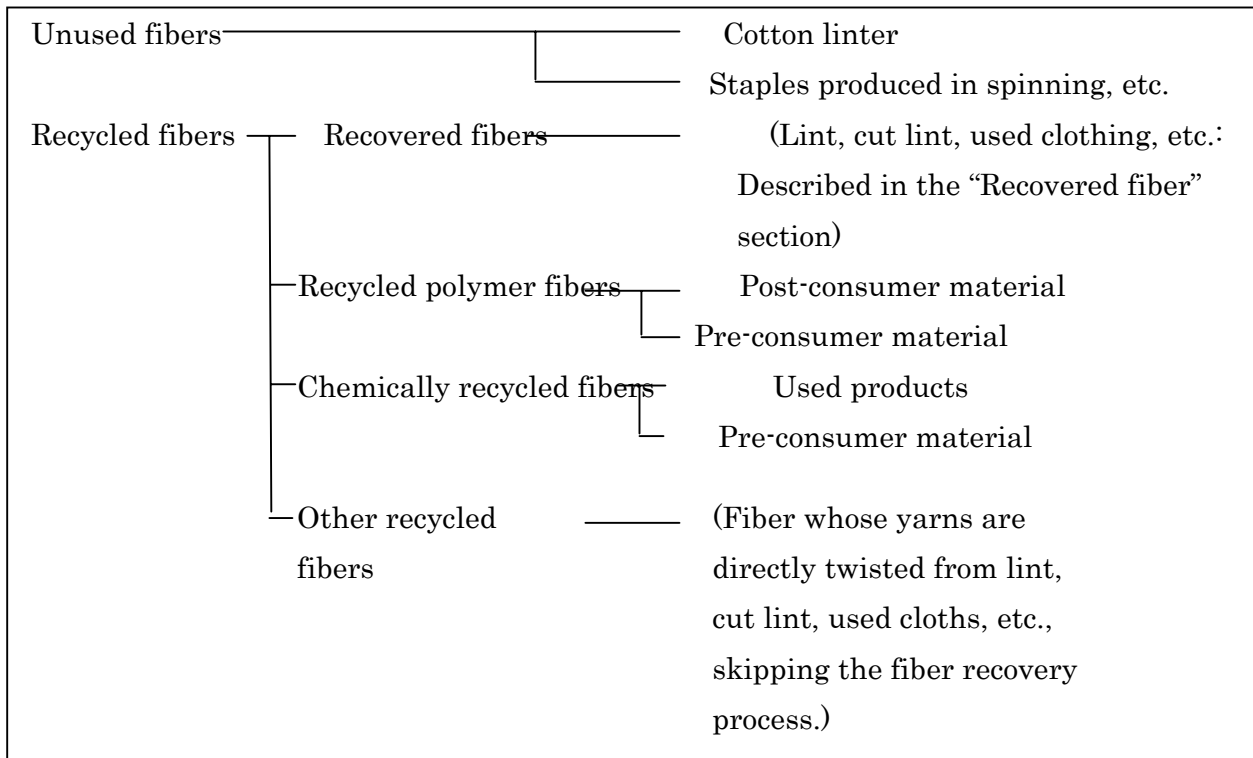
Eco Mark Product Category No.123 “Building Products Using Recycled Material” (wall paper, *shoji* paper, etc.) and other product categories are classified according to functions. Fabrics of these categories are handled according to their respective criteria.

3. Terminology

- Recycling: Material recycling. Herein, the term shall include chemically recycled fibers. Energy recovery (thermal recycling) shall not be included.
- Cotton linter: Short cotton linters that start to protrude from the plant four to twelve days after flowering.
- Unused fibers: Fibers consisting of cotton linter, staples produced during spinning, etc.
- Recovered wool fiber: Fiber consisting of recovered wool materials including lint from spinning plants, cut lint from clothing plants, and used clothing, etc. (Here, *sakiori* (split-woven fabric), etc. are included.)
- Post-consumer material: PET bottles and other synthetic high polymer products as well as synthetic fiber fabrics, which are products disposed after use. This includes used packaging material.
- Pre-consumer material: Waste diverted from the waste stream in the manufacturing process of high polymer products and synthetic fiber fabrics. However, this excludes wastes that are recycled in the same process (plant).
- Recycled polymer fiber: Fibers made of recycled resins using recovered flakes, or pellets, etc. of post-consumer and pre-consumer materials.
- Chemically recycled fiber: Fiber consisting of polymers obtained through polymerization using monomers as new materials that are obtained by depolymerizing used nylon or polyester products and pre-consumer materials.
- Recycled fibers: Recovered fibers, recycled polymer fibers, or chemically recycled fibers. However, lint from weaving plants, cut lint from garment factories, and fiber

whose yarns are twisted directly from used clothes, skipping the fiber recovery process, shall be included. Products created from these fibers include tuft carpet whose yarns are directly twisted from end-pieces off nonwoven and *sakiori* (split-woven fabric) which is woven with fine strings made by ripping out used clothing, etc. (as of October, 2005)

- Recycled cloth: Faulty cloths found during inspection and cloth cut from used clothes and used cloth.



4. Certification Criteria

4-1. Environmental criteria

- (1) These products shall meet either one of the following conditions: a, b, c, or d.
- a. The mass rate of unused fibers, recycled fibers, waste cloth or recycled cloth in the total mass of the entire product (which shall be of the mass of fiber portions, excluding small accessories such as buttons, zips, hooks and threads) shall meet the Standard Content Rate shown in Table 1. Small accessories using recycled material may be included in the standard content rate as the total mass of the entire product and the mass of recycled fibers.

Table 1. Standard Content Rate of Fiber to Total Mass of Entire Product

Type of Fiber	Standard Content Rate	
Unused fibers	70% or over	
Recycled fibers	Recovered fiber	70% or over
	Recycled polymer fibers	50% or over Resin amount shall be 50% or over of recycled PET, recycled PE fiber, or recycled PP fiber.
	Chemically recycled fibers	50% or over Recycled monomer content shall be 50% or over
Waste cloths/ Recycled cloths	100%	

- b. The fiber portion of products shall be made of 100% cotton (excluding buttons, zippers, hooks, thread and other small accessories, and polyurethane fibers (rubber thread) less than 10% of the total weight of the product that are knitted into the collar, sleeve, and hem, etc. At the same time, products shall be unbleached or made of hydrogen peroxide bleached cotton without using florescent whitener.
 - c. The fiber portion of products shall be made of 100% natural fibers such as cotton, (excluding buttons, zips, hooks, thread and other small accessories and polyurethane fibers (rubber thread) less than 10% of the total weight of the product that is knitted into collar, sleeve, and hem, etc. At the same time, products shall be organically grown material.
 - d. Products shall be recovered and recycled after use. The applicant shall have a mechanism for collecting and recycling unwanted used products. Portions of products that cannot be recycled shall be subject to energy recovery by an eco-friendly method.
- (2) Manufacturing shall be implemented observing related environment laws/regulations and pollution control agreement, etc. on air pollution, water pollution, noise, vibration, odor, and emissions of hazardous substances.
 - (3) Use of chemical substances in products shall meet standards shown in Attachment 2.
 - (4) Products shall not use resins made of halogens. (This item applies to resin fibers and post-processes and does not apply to coloring materials and fluorine-based additives).
 - (5) Products shall not be disposable.
 - (6) Products left in the natural environment shall not use synthetic fiber or synthetic resin. This requirement is not applicable if public standards requires the use of such chemicals.

4-2. Quality criteria

- (1) The quality of products shall conform to JIS L 4107 or voluntary standards. Quality control shall also be adequately implemented in the manufacturing stage.

5. Certification Procedure

- (1) Documents certifying compliance to each criterion shall be attached to the ECO Mark Product Certification and Use Application Form. Documents indicating planned location and details of Eco Mark on the clothing under application shall be submitted.
- (2) For Criteria 4-1.(1)a, b, and c, certificates of materials used (material name, material supplier, etc.) issued by the spinning company shall be attached (refer to Interpretation A-8). However, in the use of Eco Mark certified fabrics, compliance with standards can be certified by indicating the “Brand Name” and “Certification No.” of the corresponding fabric used, etc. on the Application for Eco Mark Certification and Usage.
- (3) For Criterion 4-1.(1)d, description that a system for collection and recycling or eco-friendly energy recovery system prescribed in the attachment has been established (collection system, processing capacity, processing details, simple product recycling design, etc.) shall be submitted.
- (4) For Criterion 4-1.(2), certificates issued by the manager of the plant manufacturing the product stating that environment laws and regulations of the area in which the plant is located have been observed for the past five years since application and no laws have been violated shall be submitted.
- (5) For Criterion 4-1.(3), certificates shall be submitted in accordance with Attachment 2.
- (6) For Criterion 4-1.(4), whether resins made of halogens are used shall be indicated in the Eco Mark Certification and Usage Application Form.
- (7) For Criterion 4-1.(5), whether the product under application pertains to the disposable product specified in Interpretation D-1 shall be described specifically in the Eco Mark Certification and Usage Application Form.
- (8) For Criterion 4-1.(6), whether the product under application pertains to products which can be left in the natural environment as described in Interpretation D-4 shall be specifically described in the Application for Eco Mark Certification and Usage.
- (9) For Criterion 4-2.(1), documents certifying compliance with the corresponding quality criteria shall be submitted. At the same time, certificates issued by the manager of

the plant manufacturing the product certifying that quality control was adequately implemented in the manufacturing stage and no laws and regulations have been violated shall be submitted.

6. Other Requirements

- (1) Product categorization shall be by brand name, by the recycled fiber content rate or waste fiber content rate prescribed in 4-1.(1), (products with a difference in content rate of an item of less than 20% shall be taken as the same product category and by condition b, c, or d.
- (2) The following environment information shall be indicated below the mark: The planned location and display details of the Eco Mark shall be presented in writing when applying for Eco Mark product certification. The environmental information indicated shall consist of one line aligned to the left and enclosed in a rectangular box, stating the condition prescribed in 6. (1) as being satisfied, and the corresponding “Waste Fiber Percentage XX %” or “Waste Fiber Percentage Above XX%”, “Recovered fiber Percentage XX%” or “Recovered fiber Percentage Above XX%”, “Recycled Polymer Fiber XX% “ or “Recycled Polymer Fiber Above XX%) “, “Recycled PET Fiber Percentage XX%)” or “Recycled PET Fiber Percentage Above XX%”, (Similar indication is applicable to recycled polymer fibers other than PET), “Recycled PE Fiber Percentage XX%” or “Recycled PE Fiber Percentage Above XX%”, “Recycled PP Fiber Percentage XX%” or “Recycled PP Fiber Percentage Above XX%”, “Chemically Recycled Fiber Percentage XX%” or “Chemically Recycled Fiber Percentage Above XX%”, “Waste Cloth/Recycled Cloth 100 % ” “Unbleached”, “Hydrogen Peroxide Bleaching”, “Clothes Recollected and Recycled After Use” or “Organic”.

For XX%, indicate the content rate of the corresponding fiber of the product for which the application is being submitted (round off decimal numbers to integers). However, for products based on the standard content rate in respect to the total weight of the outer material for each fiber in Table 2, 5, 7, 9, 12, and 14 prescribed in 4-1.(1), (8), (13), (17), (26), and (31), indicate “(Outer material) Recovered fiber Fiber XX%” or “(Outer material) Recovered fiber Fiber Above XX%”, “[Outer material] Recycled Polymer Fiber XX%” or “[Outer material] Recycled Polymer Fiber Above XX%”, “(Outer material) Recycled PET Fiber XX%” or “ (Outer material) Recycled PET Fiber Above XX%” (Similar indication is applicable to recycled polymer fibers other than PET.), or “(Outer material) Chemically Recycled Fiber XX%)” and “(Outer material) Chemically Recycled Fiber Above XX%”, and in case of using the

Recycled PET Fiber terms, it shall be indicated in accordance with the first line indication on the above (Indication of Recycled Polymer Fiber other than PET shall meet the first line indication.) The product using fibers in the category of “Others” in the Tables shall be indicated as “Recycled Fiber XX%” or “Recycled Fiber Above XX%”.

If the content rate of the corresponding fibers differs within the same category of 6.(1) above, the minimum value of the category shall be indicated.

The stocks of certified products produced during the licensing period are exceptional and allowed to use the former statements below the mark and its certification numbers for a year from the date on which the contract is renewed as a basic rule.

The following shows an example:

<p>Eco Mark Certification No. XXXXXXXXX (Indication of numbers only is valid)</p>		<p>ちきゅうにやさしい Friendly to the environment Environment-friendly Waste Fiber Percentage Above XX%</p>
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- (3) Products meeting the condition in Criteria 4-1.(1) shall be labeled with the Eco Mark.
- (4) Name of the Eco Mark user and address shall be indicated on the product or its package/container. (Article 7 of Eco Mark Usage Regulations)
- (5) In principle, the product for which the application is submitted shall be free of “flame retardant,” “antibacterial agent” materials and “biodegradable plastic” indications. When using these materials reasoning special circumstances, however, the products shall satisfy the provisions contained in the “Guidelines for Eco Mark Implementation” concerning “flame retardant,” “antibacterial agent” and “indication of biodegradable plastic.” Specifically, the use of these materials shall be described in the form “Application for Eco Mark Certification and Usage” with documents stipulated in the form to be attached. (Quoted from “A Guide to Eco Mark”: Exclusion clause corresponding to Article 3.7 of “Guidelines for Eco Mark Implementation.”)

Established: June 20, 2003

Revised: October 7, 2003

Revised: April 8, 2004 (polymer recycle and chemical recycle)

Revised: July 1, 2004 (statements below Eco Mark Version2.1)

Revised: May 13, 2005 (environmental information)

Revised: Oct. 28, 2005 (others recycled fiber added)

Revised: April 28, 2006 Revised (Interpretation) (Version2.4)

Revised: October 19, 2006 (Deletion of 6. Other requirements)

Revised: December 31, 2006

Term of Validity: March 31, 2009

These certification criteria for the product category will be reviewed in five years after the date of enactment, and the certification criteria and/or the product category will be revised or abolished

Criteria on Chemical Substances in Textile Products

The chemical substances listed below shall meet the conditions indicated under “Criteria” for all concerned products.

To prove compliance with the conditions, chemicals falling under No. 1 are required to indicate if they have been mildewproof-finished. For products with mildewproof finish, the agent used for finishing shall be specified. For formaldehyde under No. 2, the results of the test for each different fabric prescribed by Ordinance No. 34 of the former Ministry of Health and Welfare (MHW) shall be submitted. For chemicals under No. 3, whether wool is used shall be described. Wool products require the submission of documents certifying compliance with MHW Ordinance No. 34 of the concerned product. Chemicals under No. 4 shall be indicated if they have been fireproofed. For fireproofed products, the agent used for finishing shall be indicated, or documents certifying that these products are fireproofed shall be submitted.

No.	Name	Criteria	Test Method	Concerned Products
1	Organic mercury compound Triphenyltin compound Tributyltin compound	Shall not be detected	MHW Ordinance No. 34	All textiles
2	Formaldehyde	Shall not be detected	MHW Ordinance No. 34	Baby diapers (under 24 months old)
		Not less than 75 ppm		Clothing that is likely to come into direct contact with the skin, including beddings, towels, and fabricated basic textiles for inner wear and underwear.
		Not less than 300 ppm		Other textiles excluding products used outdoors
3	Dieldrin DTTB	Not less than 30 ppm	MHW Ordinance No. 34	All textiles
4	APO TDBPP Bis (2,3-dibromopropyl) phosphate compound	Shall not be detected	MHW Ordinance No. 34	All textiles

Source: Law for the Control of Household Goods Containing Harmful Substances

The following processes shall meet the conditions given under Precautions during Processing.

To prove compliance with the conditions, any processing is required to indicate if the concerned product has been subject to any of these processes.

Processing	Precautions during Processing
Flame proof finishing	Minimize flame proof finishing to ensure that the finishing is not done excessively.
Softening	
Sanitization	Voluntarily refrain from use of agents whose safety to the human body is suspected.
Product bleaching	In planning bleached products, ensure their safety first.

Source: Notice No. 569, 1972, Director-General of the Fiber and Goods Bureau, MITI
 Notice No. 289, 1973, Director-General of the Consumer Goods Industries Bureau, MITI
 Notice No. 226, 1988, Director-General of the Consumer Goods Industries Bureau, MITI

The following dyes of lists (1), (2), and (3) shall not be included in products.

Fabrics other than wool shall not include chrome dyes.

This shall be certified through the submission of certificates issued by the manage of the dye house.

(1) Azo Dyes which may Generate the Following Carcinogenic Amines in Degradation (Products detected with over 30 mg/product kg of more than one of the following amines using analysis methods prescribed in the List of Public Test Methods based on Article 35 of the German Food and Sundries Law)

Carcinogenicity Rank (A1)		
92-67-1	4-aminobiphenyl	C1 (EU), 1(NTP, IARC)
92-87-5	Benzedrine	C1 (EU), 1(NTP, IARC)
95-69-2	4-chloro-o-toluidine	2A(NTP, IARC)
91-59-8	2-naphthylamine	C1 (EU), 1(NTP, IARC)
Carcinogenicity Rank (A2)		
97-56-3	o-aminoazotoluene	C2 (EU), 2B(NTP, IARC)
99-55-8	2-amino-4-nitrotoluene	3(NTP, IARC)
106-47-8	4-chloroaniline	C2 (EU), 2B(NTP, IARC)
615-05-4	2,4-diaminoanisole	2B(NTP, IARC)
101-77-9	4,4'-diaminodiphenylmethane	C2 (EU), 2B(NTP, IARC)
91-94-1	3,3-dichlorbenzidine	C2 (EU), 2B(NTP, IARC)
119-90-4	o-dianisidine; 3,3'-Dimethoxybenzidine	C2 (EU), 2B(NTP, IARC)
119-93-7	o-tolidine; 3,3'-Dimethylbenzidine	C2 (EU), 2B(NTP, IARC)
838-88-0	4,4'-diamino-3,3'-dimethyldiphenylmethane	C2 (EU), 2B(NTP, IARC)
120-71-8	p-cresidine	2B(NTP, IARC)
101-14-4	4,4'-diamino-3,3'-dichlorodiphenylmethane	C2 (EU), 2A(NTP, IARC)
101-80-4	4,4'-diaminodiphenylether	2B(NTP, IARC)
139-65-1	4,4'-diaminodiphenylsulfide	2B(NTP, IARC)
95-53-4	o-toluidine	C2 (EU), 2B(NTP, IARC)
95-80-7	2,4-diaminotoluene	C2 (EU), 2B(NTP, IARC)
137-17-7	2,4,5-trimethylaniline	
90-04-0	o-anisidine	C2 (EU), 2B(NTP, IARC)

95-68-1	2,4-xylidine	3(NTP, IARC)
87-62-7	2,6-xylidine	2B(NTP, IARC)
60-90-3	4amino-azo-benzen	C2 (EU)

(2) Carcinogenic Dyes

569-61-9	C.I. BASIC RED 9	CI 42500	C2 (EU), 2B(NTP, IARC), Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	C2 (EU), 2B(NTP, IARC), Oeko-Tex
3761-53-3	C.I. ACID RED 26	CI 16150	2B(NTP, IARC), Oeko-Tex
6459-94-5	C.I. ACID RED 114	CI 23635	2B(NTP, IARC)
2602-46-2	C.I. DIRECT BLUE 6		C2, R3 (EU), 2A(NTP, IARC), Oeko-Tex (CI 22610)
1937-37-7	C.I. DIRECT BLACK 38	CI 30235	C2, R3 (EU), 2A(NTP, IARC), Oeko-Tex
573-58-0	C.I. DIRECT RED 28	CI 22120	C2, R3 (EU), Oeko-Tex
	C.I. DISPERSE YELLOW 3	CI 11855	Oeko-Tex

(3) Skin Sensitizing Dyes

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505	ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 35		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 106		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 124		ETAD, Oeko-Tex
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855	ETAD, Oeko-Tex
730-40-5	C.I. DISPERSE ORANGE 3	CI 11005	ETAD, Oeko-Tex
	C.I. DISPERSE ORANGE 37		ETAD, Oeko-Tex
2872-52-8	C.I. DISPERSE RED 1	CI 11110	ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 1	CI 64500	Oeko-Tex
	C.I. DISPERSE BLUE 7	CI 62500	Oeko-Tex
	C.I. DISPERSE BLUE 26	CI 63305	Oeko-Tex
	C.I. DISPERSE BLUE 102		Oeko-Tex
	C.I. DISPERSE ORANGE 1	CI 11080	Oeko-Tex
	C.I. DISPERSE ORANGE 76		Oeko-Tex
	C.I. DISPERSE RED 11	CI 62015	Oeko-Tex
	C.I. DISPERSE RED 17	CI 11210	Oeko-Tex
	C.I. DISPERSE YELLOW 1	CI 10345	Oeko-Tex
	C.I. DISPERSE YELLOW 9	CI 10375	Oeko-Tex
	C.I. DISPERSE YELLOW 39		Oeko-Tex
	C.I. DISPERSE YELLOW 49		Oeko-Tex

Source: International Agency for Research on Cancer (IARC)
National Toxicology Program (NTP)
EU Directive 76/769/EC
EU Directive 2002/61/EC
Ecological and Toxicological Association of the Dyes and Organic
Pigments Manufacturers (ETAD)
Oeko-Tex STANDARD 100

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92-87-5	Benzedrine	C1 (EU), 1(NTP, IARC)
95-69-2	4-chloro-o-toluidine	2A(NTP, IARC)
91-59-8	2-naphthylamine	C1 (EU), 1(NTP, IARC)
Carcinogenicity Rank (A2)		
97-56-3	o-aminoazotoluene	C2 (EU), 2B(NTP, IARC)
99-55-8	2-amino-4-nitrotoluene	3(NTP, IARC)
106-47-8	4-chloroaniline	C2 (EU), 2B(NTP, IARC)
615-05-4	2,4-diaminoanisole	2B(NTP, IARC)
101-77-9	4,4'-diaminodiphenylmethane	C2 (EU), 2B(NTP, IARC)
91-94-1	3,3'-dichlorbenzidine	C2 (EU), 2B(NTP, IARC)
119-90-4	o-dianisidine; 3,3'-Dimethoxybenzidine	C2 (EU), 2B(NTP, IARC)
119-93-7	o-tolidine; 3,3'-Dimethylbenzidine	C2 (EU), 2B(NTP, IARC)
838-88-0	4,4'-diamino-3,3'-dimethyldiphenylmethane	C2 (EU), 2B(NTP, IARC)
120-71-8	p-cresidine	2B(NTP, IARC)
101-14-4	4,4'-diamino-3,3'-dichlorodiphenylmethane	C2 (EU), 2A(NTP, IARC)
101-80-4	4,4'-diaminodiphenylether	2B(NTP, IARC)
139-65-1	4,4'-diaminodiphenylsulfide	2B(NTP, IARC)
95-53-4	o-toluidine	C2 (EU), 2B(NTP, IARC)
95-80-7	2,4-diaminotoluene	C2 (EU), 2B(NTP, IARC)
137-17-7	2,4,5-trimethylaniline	
90-04-0	o-anisidine	C2 (EU), 2B(NTP, IARC)

95-68-1	2,4-xylidine	3(NTP, IARC)
87-62-7	2,6-xylidine	2B(NTP, IARC)
60-90-3	4amino-azo-benzen	C2 (EU)

(2) Carcinogenic Dyes

569-61-9	C.I. BASIC RED 9	CI 42500	C2 (EU), 2B(NTP, IARC), Oeko-Tex
2475-45-8	C.I. DISPERSE BLUE 1	CI 64500	C2 (EU), 2B(NTP, IARC), Oeko-Tex
3761-53-3	C.I. ACID RED 26	CI 16150	2B(NTP, IARC), Oeko-Tex
6459-94-5	C.I. ACID RED 114	CI 23635	2B(NTP, IARC)
2602-46-2	C.I. DIRECT BLUE 6		C2, R3 (EU), 2A(NTP, IARC), Oeko-Tex (CI 22610)
1937-37-7	C.I. DIRECT BLACK 38	CI 30235	C2, R3 (EU), 2A(NTP, IARC), Oeko-Tex
573-58-0	C.I. DIRECT RED 28	CI 22120	C2, R3 (EU), Oeko-Tex
	C.I. DISPERSE YELLOW 3	CI 11855	Oeko-Tex

(3) Skin Sensitizing Dyes

2475-46-9	C.I. DISPERSE BLUE 3	CI 61505	ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 35		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 106		ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 124		ETAD, Oeko-Tex
2832-40-8	C.I. DISPERSE YELLOW 3	CI 11855	ETAD, Oeko-Tex
730-40-5	C.I. DISPERSE ORANGE 3	CI 11005	ETAD, Oeko-Tex
	C.I. DISPERSE ORANGE 37		ETAD, Oeko-Tex
2872-52-8	C.I. DISPERSE RED 1	CI 11110	ETAD, Oeko-Tex
	C.I. DISPERSE BLUE 1	CI 64500	Oeko-Tex
	C.I. DISPERSE BLUE 7	CI 62500	Oeko-Tex
	C.I. DISPERSE BLUE 26	CI 63305	Oeko-Tex
	C.I. DISPERSE BLUE 102		Oeko-Tex
	C.I. DISPERSE ORANGE 1	CI 11080	Oeko-Tex
	C.I. DISPERSE ORANGE 76		Oeko-Tex
	C.I. DISPERSE RED 11	CI 62015	Oeko-Tex
	C.I. DISPERSE RED 17	CI 11210	Oeko-Tex
	C.I. DISPERSE YELLOW 1	CI 10345	Oeko-Tex
	C.I. DISPERSE YELLOW 9	CI 10375	Oeko-Tex
	C.I. DISPERSE YELLOW 39		Oeko-Tex
	C.I. DISPERSE YELLOW 49		Oeko-Tex

Source: International Agency for Research on Cancer (IARC)
National Toxicology Program (NTP)
EU Directive 76/769/EC
EU Directive 2002/61/EC
Ecological and Toxicological Association of the Dyes and Organic
Pigments Manufacturers (ETAD)
Oeko-Tex STANDARD 100

Certificates on Recovery and Recycling

(1) Name of recovery and recycling system

(2) Recovery and recycling categories

Material recycling/Chemical recycling

(3) Outline of recovery and recycling systems (Based on actual operation of recovery and recycling systems)

1) Finance

2) Recovery assurance

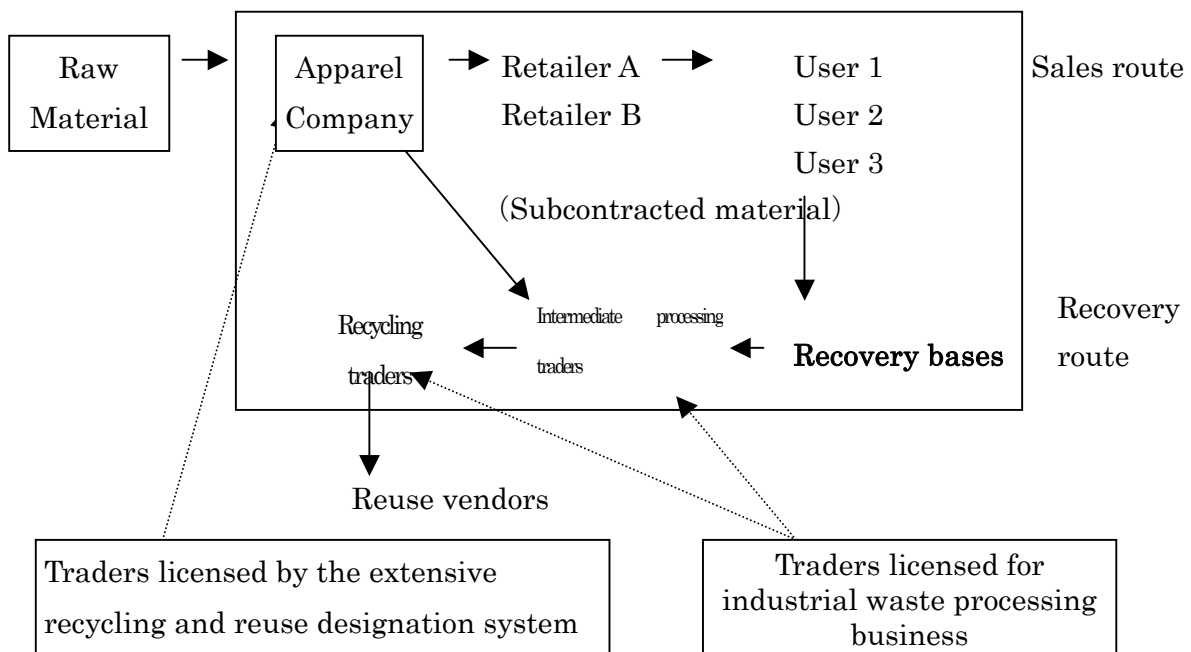
Example: Recovery agreement with user, sewing of cloth label to product, etc.

3) Present operation of recovery and recycling systems

Example: Products/materials applicable for recovery and recycling (Natural fiber 100%, synthetic fiber mixture rate, etc.), Applicable regions of recovery and recycling systems, Recovery rate (No. products recovered/No. products sold), Recycling rate (No. products recycled/No. products recovered), Recycling rate per product(Weight of parts recycled /product weight), recovery ability, recyclability (No. tons/year), Re-production purposes, etc.

4) Overview of recovery and recycling systems and relation with concerned entities

Example: Models of apparel subject to extensive recycling and reuse designation system



(4) Name of recycling vendors and waste disposal certification

Certificates indicating vendor name and waste disposal is allowed to concerned entities such as:

- 1) Waste disposal within own plant (Applicant)
- 2) Intermediate disposal vendor
- 3) Final disposal vendor

(5) Handing Over of Wastes to Recycling Vendors

Description should be given as to how products under application are discharged (industrial wastes, general wastes, valuable resources, etc.) and methods of handing over such products from waste disposer to recycling vendor should be explained.

(6) Submission of agreements

- 1) A copy of industrial waste disposal and collection and transportation contract
- 2) A copy of vendor contract (Contract between applicants and recovery and recycling system providers)

For cases designated as the extensive recycling and reuse designation system for industrial wastes, requirements (3) to (6) must be met.

To commission industrial waste transportation and disposal, certificates (3) to (6) above are required.