Yazaki Green Purchasing Guidelines

Purchasing Operations
Yazaki Corporation

Code/Number:	Date:	Contents:
1	February 4, 2004	First Established
2	February 19, 2004	Revised

Contents

1. Introduction 1

2. Yazaki Group Environmental Policy 2

3. Objectives of the Yazaki
Green Purchasing Guidelines 3

4 . Scope of Application of the Guidelines 3

5. Requests to Suppliers ..... 3 - 4

5-1) Creation of an Environmental Management System

5-2) Reduction of of environmentally hazardous substances

5-3) Reduction of Other Chemical Substances

5-4) Provision of Chemical Substance Data

5-5) Registration of Environmental Managers and Other Contact Persons

6. Implementation of Guidelines 5

1. Introduction

Thank you for your long-standing understanding of and cooperation with Yazaki's business activities.

During the twentieth century, automobiles proliferated rapidly and made significant contributions to global economic development, becoming an essential element of the modern lifestyle. At the same time, however, automobiles have had a major impact on the global environment.

As a result, those of us involved in automotive industries are committed to reducing the environmental impact of automobiles and becoming a socially responsible business.

It is from this perspective that Yazaki is working to understand environmental impact within each stage of the product lifecycle and is promoting comprehensive measures to curtail effects on the environment, including maintaining clean factories, promoting the design and development of environmentally-friendly products, and recycling. Yazaki examines the entire lifecycle of products from development to disposal, focusing on the potential environmental impact and Yazaki's activities at each stage in order to reduce environmental impact throughout the product lifecycle.

In order to promote these efforts effectively, the cooperation of our suppliers is essential. Accordingly, we adopted the Yazaki Green Purchasing Guidelines to promote and ensure preservation of the global environment together with all of our business partners.

We look forward to your cooperation and continued support.

2. Yazaki Group Environmental Policy

The corporate policy of the Yazaki Group is to be "a corporation in step with the world" and "a corporation needed by society." On the basis of this corporate policy, Yazaki has positioned activities to preserve the global environment as one of its most important management issues.

As one concrete policy related to activities to preserve the global environment, in 1997 the Yazaki Global Environment Charter was established for the entire Yazaki Group, to address environment issues comprehensively and efficiently through coordination and cooperation with the entire Group.

Yazaki Global Environment Charter

Environmental Policy

The Yazaki Corporation Group recognizes that preservation of the global environment and its resources is a serious concern common to all mankind. We will strive to make the world a better place and work to enrich our societies through environmentally-sound business activities, environmental awareness and individual contributions which are in line with our fundamental business policy.

Guide of Conduct

1 Observance of environmental laws and regulations

To proactively establish independent goals to reduce the burden placed on the environment through strict observance of domestic and international laws and regulations, and to promote activities to achieve these goals.

2 Establishment of the environmental management system
To maintain and enhance the environmental management system for all areas of our business activities in accordance with ISO 14001 guidelines.

3 Development of environmentally friendly products
To design and develop environmentally friendly products by keeping in mind the lifecycle of our products during stages of product planning.

4 Reducing the burden placed on the environment 4
To promote activities which reduce the burden placed on the environment, reduce waste and conserve energy and resources for all stages of development, production, sales, logistics and service.

5 Promotion of "green" purchasing
To promote "green" activities for purchasing/procurement of resources, materials, machinery, equipment and supplies.

6 Raising of environmental awareness
To raise the environmental awareness of our employees and to foster proactive participation in activities which preserve the environment through training and instruction.

7 Contributions to society
To establish ties and actively promote the exchange and disclosure of information related to environmental preservation with governmental and municipal organizations.

8 Transferring environmental technologies overseas
To make global contributions to environmental preservation by transferring environmental technologies developed in Japan to overseas expansions and operations.

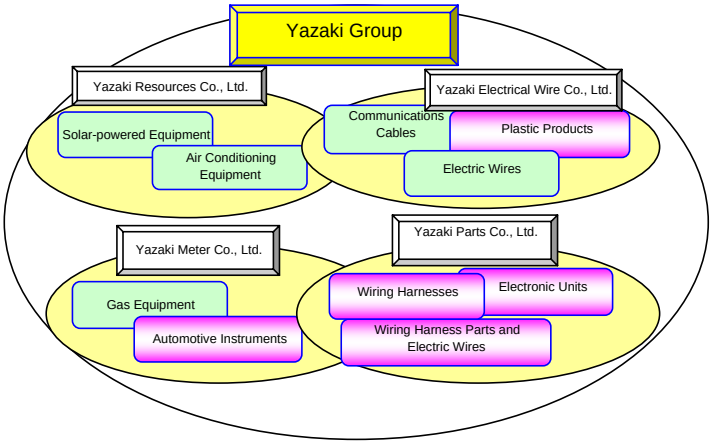
3. Objectives of the Yazaki Green Purchasing Guidelines

The Yazaki Group undertakes activities to preserve the global environment in all of its divisions including marketing, development, and production. These company-wide activities require not only efforts within the company, but also the cooperation of suppliers and others who support our operations. For example, with regard to parts that are purchased for use in production processes, it is essential that we carry out environmental initiatives in cooperation with our suppliers.

These guidelines request that suppliers create an environmental management system, reduce the use of environmentally hazardous substances, and provide data on chemical substances. They are intended to promote the implementation of the Yazaki Group Environmental Policy from the perspective of purchasing.

4. Scope of Application of the Guidelines

These guidelines apply to the purchase of parts used in production by the Yazaki Group Automotive Sector and the suppliers from whom those parts are purchased. This includes materials and parts used in wiring harness related parts, automotive meters, automotive electronic equipment, automotive instruments, and so on.



Initially, these guidelines will not apply to purchased parts relating to the Environmental Systems Sector (electric wires, gas equipment, air-conditioning equipment).

Further measures will be taken as we closely monitor future societal conditions. industrv trends. and so on.

5. Requests to Suppliers

In line with the objectives mentioned above, cooperation in the following five areas is sought for the sake of reducing environmental impact.

1) Creation of an environmental management system

2) Reduction of of environmentally hazardous substances

3) Reduction of other chemical substances

4) Provision of chemical substance data

5) Registration of the name of the environmental manager

5-1) Creation of an Environmental Management System

It is necessary for Yazaki Group suppliers to comply with all applicable laws and regulations and to actively promote activities intended to preserve the global environment. Specific actions that we would like our suppliers to take include acquisition of ISO 14001 certification or creation of a similar environmental management system.

By the end of December 2005, please:
Acquire ISO 14001 certification, or
Create a similar environmental management system.

* Following the distribution of these guidelines, "environmental management system" will be added as a supplier evaluation category.

5-2) Reduction of of environmentally hazardous substances

Step 1

EU ELV directive effective July 2003… in principle bans the use of (with certain exemptions) 4 banned substances - cadmium, mercury, lead, hexavalent chromium

Step 2 (Cadmium and mercury are not covered)

* Hexavalent chromium: April 2004 to December 2005 (phased switchover)
  White and yellow --> Seven technologies for alternatives (chemicals, management conditions, etc.) recommer
  Green and black --> Coordination of and switch to alternative technologies planned By end of December 20

* Lead in light bulbs and glass: January to June 2004 (phased switchover)

* Solder: Beginning in the first half of 2004 - Reflow soldering and terminals (hand-soldered parts such as connectors) for some model products to be made lead free.
  Beginning in the first half of 2005 - All new product to be made lead free.
  Beginning in the first half of 2007 - All products including spare parts are to be made completely lead free.

* Designated bromine-based flame retardants: Investigation followed by a switchover is planned

Reference: Please refer to “Substances Banned from Use by Yazaki.”

* Please ask the contact person at Yazaki for specific details concerning switchover plan for each produc

5-3) Reduction of other chemical substances

* Designated plasticizers: Plans for switchover in the latter half of 2004.

* Please ask the contact person at Yazaki for specific details concerning switchover plan for each produc

5-4) Provision of Chemical Substance Data

The contact person at Yazaki will periodically request that suppliers submit information concerning chemical substances using the designated form in order to respond to investigations of chemical substances included in products in accordance with requests from automakers and to promote the environmental friendliness of our products. We ask for your cooperation with these requests.

1)IMDS inquiries and submissions
2)Declaration of no use of Banned Substances
3)Inquiries concerning the composition of newly developed products (planned for the future)

5-5) Registration of Environmental Managers and Contact Persons

Please register the names of all environmental managers in your company to facilitate and ensure thorough environmental management. If such managers or contact persons change, please submit a Notice of Change of Environmental Manager form.

6. Implementation of Guidelines

1. Distributes these guidelines to new suppliers when transactions are initiated.
2. Distributes these guidelines to suppliers whenever they are revised.
3. Contact persons are as indicated below.

	Electronic parts suppliers	Wiring harness parts suppliers	Meter parts suppliers	Raw materials suppliers
Creation of an environmental management system	Contact persons:			
Reduction of environmentally hazardous substances	Contact persons:	Contact persons:	Contact persons:	Contact persons:
Provision of chemical substance data				

Substances Banned from Use by Yazaki

	Substance group	Substance name	Chemical formula	CAS No.
1	**Lead and its compounds**	Lead	Pb	7439-92-1
		Lead (II) carbonate	$PbCO_3$	598-63-0
		Lead (IV) oxide	PbO_2	1309-60-0
		Lead (II, IV) oxide	Pb_3O_4	1314-41-6
		Lead (II) sulfide	PbS	1314-87-0
		Lead (II) oxide	PbO	1317-36-8
		Lead (II) carbonate basic	$2PbCO_3.Pb(OH)_2$	1319-46-6
		Lead hydroxidcarbonate	$2PbCO_3.Pb(OH)_2$	1344-36-1
		Lead (II) sulfate	$PbSO_4$	7446-14-2
		Lead (II) phosphate	$Pb_3(PO4)_2$	7446-27-7
		Lead (II) chromate	$PbCrO_4$	7758-97-6
		Lead (II) titanate	$PbTio_3$	12060-00-3
		Lead sulfate, sulphuric acid, lead	$PbXS0_4$	15739-80-7
		Tribasic lead sulfate	$3PbO.PbSO_4.H_2O$	12202-17-4
		Lead stearate	$Pb(C17H35COO)_2$	1072-35-1
		Dibasic lead stearate	$2PbO.Pb(C_{17}H_{35}COO)_2$	56819-09-4
			-	-
2	**Mercury and its compounds**	Mercury	Hg	7439-97-6
		Mercury (II) chloride	$HgCl_2$	7487-94-7
		Mercury (II) oxide	HgO	21908-53-2
			-	-
3	**Cadmium and its compounds**	Cadmium	Cd	7440-43-9
		Cadmium oxide	CdO	1306-19-0
		Cadmium sulfide	CdS	1306-23-6
		Cadmium chloride	$CdCl_2$	10108-64-2
		Cadmium sulfate	$CdSO_4$	10124-36-4
			-	-
4	**Hexavalent chromium compounds**	Sodium dichromate	$Na_2Cr_2O_7$	10588-01-9
		Chromium (VI) oxide	CrO_3	1333-82-0
		Calcium chromate	$CaCrO_4$	13765-19-0
		Lead (II) chromate	$PbCrO_4$	7758-97-6
		Potassium dichromate	$K_2Cr_2O_7$	7778-50-9
		Potassium chromate	K_2CrO_4	7789-00-6
			-	-
5	**Designated bromine-based flame retardants**			
	PPB (Polybrominated biphenyls)	Tetrabromobiphenyl	$C_{12}H_6Br_4$	40088-45-7
		Hexabromobiphenyl ether	$C_{12}H_4Br_6$	36355-01-8
	PBDE	Pentabromobiphenyl ether	$C_{12}H_5Br_5O$	32534-81-9
	(Pentabromodiphenyl ether)	Octabromobiphenyl ether	$C_{12}H_5Br_8O$	32536-52-0
6	**Designated plasticizers**	Dibutyl phthalate	$C_{16}H_{22}O_4$	84-74-2
		Di(2-ethylhexyl) phthalate	$C_{24}H_{38}O_4$	117-81-7

Yazaki Corporation Day Month Year

E-mail

FAX

Requests to environmental managers . . .	Take overall responsibility for environment-related issues (management, operations, etc.)
Requests to environmental leaders.	1. Management of the Yazaki Group Green Purchasing Guidelines 2. Promotion of environmental management 3. Act as the contact person for investigations by Yazaki concerning environmentally hazardous materials 4. Management and reduction of environmentally hazardous substances

Registration of Name of Environmental Manager

Names of persons to be registered as environmental managers

1. Registration of names of environmental managers and leaders

Customer Code		
Company Name		
Location of Main Operations		
	Manager	**Leader**
Position		
Name		
Phone Number		
Fax Number		
E-mail Address		

Fill in

2. Reporting of confirmation items related to obtaining of ISO14001 certification

1) Has ISO 14001 certification been obtained?

Yes (Fill in box below) No (Go to 2)

Fill in

Location of acquisition	Field of acquisition*	Period of acquisition	Certification body	Acquisition No
○○○○(Corporation) △△Plant	Operations	1998 . 3. 2	XXXXX	JQ-E-123

* Field of acquisition : (1) Company (2) Office (3) Production Factory/Production Process (4) Design l (5) Other ( )

2) Do you have plans for acquisition of certification in the future?

Yes (Fill in box below) No (Go to 3)

Location of acquisition	Field of acquisition	Period of acquisition	Certification body	Acquisition No

3) Reasons why you do not plan to acquire certification