



GREEN PROCUREMENT GUIDELINES

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MISUMI Corporation

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1.Introduction

MISUMI Corporation (hereafter, "MISUMI") procures products, semi-finished products, parts, raw material, supplementary material, packing, packaging material, etc. (hereafter, "products, etc.") from many suppliers.

In order to comply with environmental laws, regulations, and other requirements related to chemical substances and to achieve a sustainable society, MISUMI hereby announces Green Procurement Guidelines (hereafter, "guidelines").

2.Purpose

Green procurement is a procurement of environmentally friendly products, etc. that are designed and manufactured with keen attention to environmental impact, safety, recyclability, energy conservation, and sufficient control of chemical substances.

The guidelines aim to promote environmental conservation and to reduce the use of environmental chemicals in products, etc.

MISUMI will revise the guidelines when necessary, for instance, in case of change on applicable laws and regulations.

3.Request to Suppliers

MISUMI strongly requests its suppliers to comply with the followings. MISUMI will prioritize the followings in the decision process of procurement of products, etc.

Control of environmental chemicals

Suppliers are requested to:

- 3.1 Comply with manuals on MISUMI's chemical substances survey.
- 3.2 Comply with specific requirements and survey by MISUMI on chemical substances.
- 3.3 Provide MISUMI correct and precise data on chemical substances that are contained in or used in the manufacturing process of products etc. in the form required by MISUMI. When any change occurs or is to occur regarding such data, inform MISUMI of such change in the earliest manner and comply with the request of MISUMI.
- 3.4 Instruct your suppliers in order that they as well comply with the manuals and requirements announced by MISUMI.

4.Recommendation to Suppliers

MISUMI recommends its suppliers to carry out the followings:

- 4.1 Establish an environmental policy, and comply with it.
- 4.2 Build practical goals on environmental conservation and reduction of environmental chemicals with an action plan.
- 4.3 Acquire external certifications regarding your company's environmental management system (e.g., ISO14001 and/or KES).

In the future, MISUMI may consider these items as essential conditions regarding the transaction with its suppliers.

5.Attachment

Attachment 1: List of MISUMI's Specified Chemical Substances (SCS)

This list shows a typical example of chemicals regarding MISUMI's chemical substances survey.

Attachment 1. List of MISUMI's Specified Chemical Substances (SCS)

The following 24 substances are the SCSs which include Prohibited Chemical Substances (PCS) and Controlled Chemical Substances (CCS).
Please note that this list shall be reviewed on an ongoing basis considering legal and social requirements, and that SCS may be added to or removed from this list.

Classification	No.	Substances	Subject Items and Application	Threshold value ^{*1}		
Prohibited Chemical Substances	1	Tributyltin oxide (TBTO)	Paint, Pigment	-		
	2	Tributyltin (TBT), and Triphenyltin (TPT) compounds	Stabilizer, Antioxidants, Resister of aging	-		
	3	Polychlorinated biphenyls (PCBs)	Insulating oil, Lubricant, Flame retardant	-		
	4	Polychlorinated naphthalenes (more than 3 chlorine atoms)	Lubricant, Paint, Stabilizer, Flame retardant	-		
	5	Short-chain chlorinated paraffins	Flame retardant, Plasticizer	-		
	6	Asbestos	Electric insulator, Abrasive, Gaskets	-		
	7	Azocolourants and azodyes (which form certain aromatic amines)	Pigment and colorant for electric wire coating limited to sections in continuous contact with the human body	-		
	8	Ozone depleting substances	Refrigerant	-		
	9	Radioactive substances	Packing materials	-		
	6 RoHS Directive Substances	10	Cadmium and its compounds	Cadmium contained in alloys with zinc content (brass, zinc, die cast, lead-free solder, etc.), plating, plastic, rubber, coating, etc.	Less than 100 ppm	For packing materials, less than 100 ppm combined of cadmium, lead, mercury and hexavalent chromium
				Exemption Cadmium and its compounds in electrical contacts	-	
		11	Lead and its compounds	Lead contained in all types of alloys, solder, all items other than the following exemptions	Less than 1,000 ppm	
				Exemption Lead which is alloyed with steel	3,500 ppm or less	
				Lead which is alloyed with aluminum	4,000 ppm or less	
				Lead which is alloyed with copper	40,000 ppm or less	
Lead used in solders which contains more than or equal to 85% of lead		-				
12	Mercury and its compounds	Mercury contained in all items aside from small fluorescent light bulbs and straight-tube fluorescent light bulbs	Less than 1,000 ppm			
13	Hexavalent chromium and its compounds	All Hexavalent chromium in chromate treatment, plating, coating, etc.. Chromium metal and chrome in metal alloys are exempted	Less than 1,000 ppm			
14	Polybrominated biphenyls (PBBs)	Flame retardant	Less than 1,000 ppm			
15	Polybrominated diphenylethers (PBDEs)	Flame retardant	Less than 1,000 ppm			
Controlled Chemical Substances	16	Antimony and its compounds	Pigment, Paint, Lead-free solder	Less than 1,000 ppm		
	17	Arsenic and its compounds	Pigment, Paint, Dye, Flame retardant	Less than 1,000 ppm		
	18	Beryllium and its compounds	Ceramics, Alloy, Catalyst, Solder	Less than 1,000 ppm		
	19	Bismuth and its compounds	Glass, Lead-free solder, Free-cutting aluminum	Less than 1,000 ppm		
	20	Nickel and its compounds	Plating, Paint, Pigment, (Excluding alloy)	Less than 1,000 ppm		
	21	Selenium and its compounds	Pigment, Paint	Less than 1,000 ppm		
	22	Brominated flame retardants (other than PBBs or PBDEs)	Flame retardant	Less than 1,000 ppm		
	23	Phthalates	Plasticizer, Pigment, Dye, Paint, Adhesive	Less than 1,000 ppm		
	24	Polyvinyl chloride (PVC) and PVC blends	Wire coating, Insulator	Less than 1,000 ppm		

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*Threshold value is, whether consciously or not, the maximum concentration value set for each homogeneous material which cannot be mechanically disjoined into different materials.

MISUMI Group Inc.