TOSHIBA

A Message to Our Suppliers Regarding Green Procurement

As of March 25, 2005

In response to the various evolving and tightening environmental laws and restrictions such as European RoHS Directive, the Semiconductor Company of Toshiba Corporation (which is called "the Semiconductor Company" in this home page), established internal restrictions on the materials it will use in its products. These internal restrictions are part of the Green Procurement Guidelines established by the Semiconductor Company and reflect the requirements of our semiconductor customers. By implementing these guidelines, the Semiconductor Company, in cooperation with its suppliers, is endeavoring to procure environmentally conscious products.

The ability to offer semiconductor products that comply with applicable environmental regulations is increasingly becoming an important factor in determining the quality of semiconductor products. As a result, it is necessary to identify and control restricted and regulated substances that are used in the manufacturing of semiconductors. Moreover, it is necessary to ensure that there are suitable substitutes for restricted substances. In light of the vast number of substances that are used in the manufacturing of semiconductor products, the close cooperation of the Semiconductor Company and its suppliers is imperative. In order to ensure that there is effective cooperation, we have been informing our suppliers of the above situation and asking for their support. In this way, we have started to develop a new procurement model, called "green procurement" as reflected in the Green Procurement Guidelines.

RoHS

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2004 ("the RoHS Regulations") prohibit from July 1, 2006 manufacturers from placing on the EU market any new Electrical and Electronic Equipment (EEE) containing more than the specified levels of the following substances:

1. Lead and its compounds
2. Cadmium and its compounds
3. Mercury and its compounds
4. Hexavalent chromium and its compounds
5. Both polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE)

flame retardants.

There are a number of exempted applications for these substances. Manufacturers will need to ensure that their products and the components of such products comply with the requirements of the RoHS Regulations by the relevant date.
For more information regarding RoHS, please visit the following sites:
http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00190023.pdf

Basis for the Green Procurement Guidelines

Based on the current regulatory environment, the Semiconductor Company has determined that certain substances should be controlled. The following are certain of the laws, regulations and other issues taken into account coming to this conclusion.

1. Japanese Laws and Regulations
   - Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures
   - Law concerning the Examination and Regulation of Manufacture etc. of Chemical Substances
   - Industrial Safety and Health Law
   - Law on the Prohibition of Chemical Weapons and Control of Specific Substances, PRTR, etc.
2. Other Laws and Regulations
   - RoHS Directive
   - WEEE Directive
   - European Union ELV Directive, etc.
3. Substances requested by customers as well as those specified by JGPSSI
4. Toshiba internal guidelines
   - Toshiba in-house controlled substances
     Toshiba Green Procurement related substances (substances related to semiconductor)
   - Toshiba Semiconductor Company's voluntary controlled substances

Content of the Green Procurement Guidelines (September 2004)

The essential point of the Green Procurement Guidelines is the requirement that suppliers submit accurate and timely information regarding the substances used in the products they supply to the Semiconductor Company. In particular, we have prepared guidelines for certifying non-use and non-existence of controlled substances, disclosing items on the system,

providing guarantees, and providing analysis results. These guidelines refer to specific details of each substance and component and include the certification forms of non-use or non-existence of the controlled substances.

Requirements for Suppliers

1. Certification of non-existence of the substances specified by RoHS
2. Certification of non-use of environmental controlled substances
3. Analysis data
4. MSDS
5. Product/Component Constitution Table
6. Survey sheet on establishment of environmental quality management system

Important Legal Note

The information contained herein is intended to assist Toshiba suppliers in complying with the Semiconductor Companies Green Procurement Guidelines. Certain of the information contained herein is simplified guidance based on complex and changing legislation, and does not constitute legal advice. The laws and regulations referred to herein themselves, including the RoHS Regulations, should always be read and understood (as they constitute the law), in contrast with the information contained herein, which is intended to be informative but has no legal authority. You should refer to the applicable laws and regulations themselves, including the RoHS Regulations, for a full statement of the legal requirements and in the case of any doubt take independent advice, including your own legal advice. The laws and regulations referred to herein, including the RoHS Regulations, may be revised from time to time, so users should take care to keep themselves informed.

Phased out substances

4.	1.1.1-Trichloro ethane(TCA)	-1993	ODS[1]
5.	Carbon tetrachloride	-1994	ODS[1]
6.	PBBs	-1994	RoHS[2]
7.	PBDEs	-1994	RoHS[2]
8.	Methylene chloride	-1999	
9.	Hydrazine	-2001	
10.	Ethylene based glycol ethers	-2001	
11.	Perfluorooctyl sulfonate (PFOS)	-2004	

Note:

1. ODS (Substances that potentially deplete the Ozone layer.)
   ODS are regulated under the “Law concerning the Protection of the Ozone Layer through the Control of Specified Substances and Other Measures (JAPAN)”, and Montreal Protocol.
2. RoHS
   Substances restricted by the EU DIRECTIVE 2002/95/EC onthe restriction of the use of certain hazardous substances (RoHS Directive)
   penta-bromobyphenyl, octa-bromobyphenyl, deca-bromobyphenyl, etc. are included in the PBBs, and penta-bromodiphenyl ether, octa-bromodiphenyl ether, deca-bromodiphenyl ether etc. are included in PBDEs.

Information for the certificate of approval for ISO14001

Kitakyushu Operations			
Toshiba Corporation Oita Operations	JACO	1996.10.29	EC99J2033
Toshiba Corporation Microelectronics Center	JACO	1997.03.25	EC99J2088
Toshiba Corporation Himeji Operations-Semiconductor	JACO	1997.07.28	EC97J1041
Iwate Toshiba Electronics Co., Ltd.			
Buzen Toshiba Electronics Corporation	JACO	1997.09.30	EC97J1092
Toshiba LSI Package Solutions Corporation FukuokaOperations	JACO	1998.09.25	EC98J1065
Toshiba LSI Package Solutions Corporation Oita Operations Kitsuki District	JACO	1998.01.27	EC97J1171
Hamaoka Toshiba Electronics Corporation	JACO	1998.03.09	EC97J1212
Himeji Toshiba E.P. Corporation	JACO	1998.03.24	EC97J1237
Toshiba Components Co., Ltd.	JACO	1998.09.25	EC98J1071
Kaga Toshiba Electronics Company	JACO	1998.08.25	EC98J1052
Oita Precision Corporation	JACO	1998.09.24	EC98J1060
Toshiba Semiconductor G.m.b.H.	DAR	1997.04.08	1453281-01
Toshiba Electronics Malaysia Sdn. Bhd.	SIRIM	1997.09.26	T0066301097
Toshiba Semiconductor (Thailand) Co., Ltd.	TISI	1998.09.25	98011/0015
Toshiba Semiconductor (Wuxi) Co., Ltd.	China Certification Center, Inc.	1999.03.31	02103E10061R1

↑ Top of this page

Information for the certificate of approval for Sony Green Partner

Presented to	Term of Validity	Approval Certificate

Toshiba Semiconductor (Wuxi) Co., Ltd.	2005.03.31- 2007.3.30	S5141-1