

Approach for Elimination of Poisonous Substances

FDK Group is taking an effort to totally eliminate the use of hazardous substances in production. In order to respond to the requests of customers for assurance of non-use and control of such materials as well as to comply with the requirement of the RoHS Directive, FDK Group established the "Committee for Products Containing Hazardous Chemical Substances" in October 2004 to commence control of products containing hazardous chemical substances in our premises in and out of Japan.

Targets of the Third Environmental Action Plan

To eliminate use of hazardous substances designated by Fujitsu Group in manufacturing products by the end of fiscal 2005, except for those designated by RoHS whose elimination target is the end of December 2004

- Use of hazardous substances listed in 31 categories of Fujitsu Group's list will be totally eliminated by the end of fiscal 2005.
- For products shipped to Europe and covered under the RoHS Directive, use of mercury, hexavalent chromium compounds, PBB and PBDE will be totally eliminated by the end of December 2004.

Hazardous Substances Elimination Activity and Result

In fiscal 2004, an investigation was made to 1403 substances designated by FDK, including those designated by Fujitsu Group. The results were accumulated in ECO-DB (the database system of the FDK Group on the environmental burden of chemical substances) and an examination was made to change designated hazardous substances to alternative ones. The Committee for Products Containing Hazardous Chemical Substances discussed the possibility of strengthening controls on hazardous chemical substances, and a rule for controlling and elimination of them as FDK Group was examined.

As a result, the hazardous substances designated in the RoHS Directive were totally eliminated in manufacturing newly developed products by the end of December 2004 as aimed by the company. However, some of them were not able to be eliminated in manufacturing current products because of unconfirmed reliability of alternative substances. For these materials, we will gradually shift to use alternative ones by checking the quality of them. As for hazardous substances designated by Fujitsu Group, we will examine and change to alternative materials aiming at eliminating the use of hazardous substances by the end of fiscal 2005.

Hazardous Substances Designated by Fujitsu Group

| Substances prohibited for use in products (27) | |
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| <ul style="list-style-type: none"> • Polychlorinated biphenyls (PCBs) • Polychlorinated naphthalenes (with 3 or more chlorine atoms) • Asbestos • CFCs • Specified halons • Carbon tetrachloride • 1,1,1-Trichloroethane • Bromochloromethane • Methyl bromide • HBFCs • Polybrominated biphenyls (PBBs) • Polybrominated diphenyl ethers (PBDEs) • Short-chained chlorinated paraffins • Bis (tri-n-butyltin) oxide (TBTO) • Tributyl tins (TBTs), Triphenyl tins (TPTs) | <ul style="list-style-type: none"> • Specified amines (Those which contact to skin directly and for a long time only) • Azo dyes and azo pigments that generate specified amines (Those which contact to skin directly and for a long time only) • Chlorodanes • DDT • Aldrin • Endrin • Dieldrin • Hexachlorobenzene • N,N'-ditolyl-p-phenylenediamine, N-tolyl-N'-xylyl-p-phenylenediamine and N,N'-dixylyl-p-phenylenediamine • 2,4,6-tri-tert-butylphenol • Toxaphene • Mirex |
| Ozone depleting substances | |
| Substances banned for use in products (4) | |
| <ul style="list-style-type: none"> • Cadmium and its compounds • Hexavalent chromium compounds | <ul style="list-style-type: none"> • Lead and its compounds • Mercury and its compounds |

How to Control Hazardous Chemical Substances

With the idea that any product containing hazardous substances is a defect, FDK Group determines to strengthen control of such substances by incorporating it into the Group's quality assurance system. More precisely, standards in relation to them will be improved and implemented in a three-stage process of "collection of information" "control" and "assurance."

FDK Group Hazardous Chemical Substances Control Process

