

Reducing Chemical Substances in Products

We cooperate with our business partners in striving for strict management of chemical substances whose use is restricted by laws and regulations in Japan and overseas, as well as of other potentially harmful substances.

Management of Restricted Chemical Substances in Products

The Fujitsu Group designates substances that are harmful to people and the environment and whose use is either prohibited or regulated by law as "Fujitsu Group Specified Banned Substances." We provide products that do not contain such substances by strictly prohibiting their use in our products and by working to eliminate them through our green procurement programs.

We also recognize that minimizing the risks posed by certain chemicals is of the highest priority in ensuring our customers' safety. For this purpose, we designate substances suspected of being harmful (Substances of Concern) as "Fujitsu Group Specified Controlled Substances," or "Fujitsu Group Specified Reportable Substances," and, based on principle of prevention, we manage the amounts included so that we can transition to forbidding their use in stages as the danger of these specified substances becomes clear.

This effort is not limited to Japan but also applies to global regulations on chemical substances included in products.

Management of Chemical Substances Restricted or Banned by Law

The Fujitsu Group defines legally regulated substances as "Fujitsu Group Specified Banned Substances," and provides products that do not contain them.

We have also established Fujitsu Group Green Procurement Direction (see page 61) and strengthen control of the chemicals in our products by requiring our suppliers to construct chemical management systems (CMSs).

In response to regulations such as the RoHS Directive*, we have taken systematic action covering the entire supply chain by constructing a system headed by our product business division and including our quality assurance, purchasing, and environmental divisions, to manage chemical substances from design through to delivery.

* **RoHS Directive:** Restriction of the use of certain hazardous substances in electrical and electric equipment

Controlling Substances of Concern

The Fujitsu Group Specified Reportable Substances list includes substances that are REACH regulation*1 candidate substances*2, and we collect information on substance amounts from suppliers and then manage these quantities on a per-product basis. Moreover, the Specified Controlled Substances list also includes data from suppliers on amounts for substances that may not be restricted by every country's regulations, but which we consider to be of concern.

As far as PVC is concerned, we not only control the amounts included in our products but also require in our Green Procurement Direction that it be used as little as possible, and restrict its use in everything except sheathing for cables and insulating materials for electronic components.

*1 **REACH regulation:** Regulation concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals

*2 **REACH candidate substances:** Selected chemical substances with properties (carcinogenicity, mutagenicity, reproductive toxicity, etc.) regulated by REACH. If these substances are present in products, data on the amounts must be displayed.

Contributing to Creating Mechanisms for Chemical Substance Management

In the Fujitsu Group, we see efforts towards chemical substance management as an issue for the whole supply chain and so we participate in activities such as the Joint Article Management Promotion-consortium (JAMP) and the Japan Green Procurement Survey Standardization Initiative (JGPSSI) industry groups and are studying how to configure a means of transmitting information efficiently.

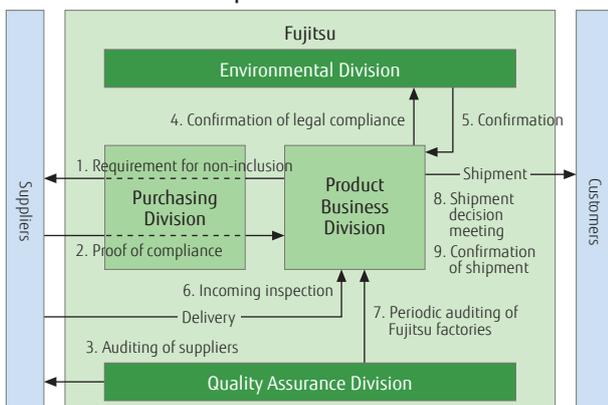
Among these industry groups, we have been an active member of JAMP since its foundation. We were involved from the planning stages with the input format and entry support tools for the AIS (article information sheet), which is an included chemical substance information transmission sheet, and also participated in creating guidelines for appropriate management of included chemical substances and in practical education for business partners to promote the use of AIS throughout the industry. Furthermore, we are in charge of activities promoting the use of the JAMP information distribution infrastructure (JAMP-IT), which supports information exchange requests from multiple companies to create an environment for the smooth transmission of information.

Using ICT to Control the Chemicals in Our Products

From requesting surveys by outside organizations through to gathering information by our own efforts, the Fujitsu Group maintains an integrated system for managing the information on the chemicals contained in the components and materials it purchases from its suppliers throughout its supply chain. Further, we use the large volumes of chemical-related data we collect to calculate amounts on a per-product basis, pinpointing the amounts of restricted chemicals at the product level and managing them accordingly.

The Group also offers an environmental business solution called PLEMIA/ECODUCE, a software package that utilizes this in-house expertise.

Framework for RoHS Compliance



* Fujitsu Group companies are also constructing their own frameworks based on the above.

WEB Management of the Restricted chemical substances in products: <http://www.fujitsu.com/global/about/environment/products/chemical/>
The PLEMIA/ECODUCE website (in Japanese) <http://jp.fujitsu.com/solutions/plm/pdm/plemia/option-04.html>