

Fujitsu Technology Solutions Statement on REACH

Overview

REACH is the European Regulation for **R**egistration, **E**valuation, **A**uthorisation and **R**estriction of **C**hemicals. It entered into force on 1st June 2007 to streamline and improve the former legislative framework on chemicals of the European Union (EU). REACH places greater responsibility on industry to manage the risks that chemicals may pose to the health and to the environment.

The aims of REACH are to:

- Improve the protection of human health and the environment from the risks that can be posed by chemicals
- Enhance the competitiveness of the EU chemicals industry, a key sector for the economy of the EU
- Promote alternative methods for the assessment of hazards of substances
- Ensure the free circulation of substances on the internal market of the European Union

REACH makes industry bear most responsibilities to manage the risks posed by chemicals and provide appropriate safety information to their users. REACH also creates the European Chemicals Agency (ECHA) with a central coordination and implementation role in the overall process.

The concept of REACH is based on substances. Most obligations refer to **substances**, whether on their own, in **mixtures** or in **articles**.

Main aspects of REACH as far as appropriate for Fujitsu Technology Solutions

General provisions

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles are defined in Annex XVII of REACH. Fujitsu Technology Solutions has implemented an internal guideline for environmental conscious design to ensure among others, that our products do not contain substances for which Annex XVII contains a restriction.

Fujitsu Technology Solutions is affected by the following roles defined by REACH:

- **Downstream user**
- **Producer and Importer of articles,**

Duties of Downstream users

Downstream user means any natural or legal person established within the Community, other than the manufacturer or the importer, who uses a substance, either on its own or in a preparation, in the course of his industrial or professional activities. Under REACH, downstream users must not use any substances which are not (pre-) registered in accordance with REACH. Downstream users will receive available information on dangerous substances and preparations, including risks from their use and measures to control these risks, in safety data sheets, just as today.

Fujitsu Technology Solutions is using some chemicals within his factories established in Europe. We have put in place a process to ensure that all used substances have been pre-registered by the end of November 2008 and will be registered by our suppliers. By this way we ensure that all substances are used safely to protect employees, customers and the environment from risks.

Duties of Manufacturers and Importers of substances

The vast majority of obligations under REACH apply to manufacturers and importers of substances in the EU.

Manufacturers and importers of substances must submit a registration to ECHA for each substance manufactured or imported in quantities of 1 tonne or above per year.

Failure to register means that the substance cannot be manufactured or imported.

All hardware products supplied by Fujitsu Technology Solutions are defined as to be articles under REACH, but not substances or mixtures. Therefore, Fujitsu Technology Solutions is not affected by this requirement.

Duties of Producers and Importers of articles

Producers and importers of articles need to pre-register and register substances which are present in their articles in quantities over one tonne a year and if those substances are intended to be released under usual circumstances. For these cases, the same registration obligations as for manufacturers and importers of substances apply in analogy.

Substances contained in hardware products supplied by Fujitsu Technology Solutions are not intended to be released. Therefore this requirement does not apply.

Manufacturers and importers of articles (components, parts, whole products, etc.) have the additional duty to communicate information about 'substances of very high concern' (SVHC) that are present in articles in a concentration greater than 0.1 % by weight.

EU REACH SVHC Disclosure on Candidate List (December 19th, 2012)

Information to customer on Substances of Very High Concern (SVHC) contained in products in concentration above 0.1% weight by weight (w/w) to allow safe use of the product:

Desktop PC's

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel	No SVHC	Not Applicable
Mechanical Assemblies	No SVHC	Not Applicable
System Board	No SVHC	Not Applicable
Other printed circuit assemblies	No SVHC	Not Applicable
Internal Cables / Cords / Connectors	No SVHC	Not Applicable
Internal Hard Disk Drives	No SVHC	Not Applicable
Internal Optical disk drives	No SVHC	Not Applicable
Internal Power Supply	No SVHC	Not Applicable
Packaging Materials (carton, foam, plastic bags)	No SVHC	Not Applicable
Paper manuals and Software Media (CD, DVD)	No SVHC	Not Applicable
Power cord	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7

Notebooks

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel	No SVHC	Not Applicable
Mechanical Assemblies	No SVHC	Not Applicable
System Board	No SVHC	Not Applicable
Other printed circuit assemblies	No SVHC	Not Applicable
Internal Cables / Cords / Connectors	No SVHC	Not Applicable
Internal Hard Disk Drives	No SVHC	Not Applicable
Internal Optical disk drives	No SVHC	Not Applicable
Rechargeable battery	No SVHC	Not Applicable
TFT Display/ Lamp	No SVHC	Not Applicable
External Power Adapter, including power cord	No SVHC	Not Applicable
Docking Station	No SVHC	Not Applicable
Packaging Materials (carton, foam, plastic bags)	No SVHC	Not Applicable
Paper manuals and Software Media (CD, DVD)	No SVHC	Not Applicable

Enterprise Products

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel	No SVHC	Not Applicable
Mechanical Assemblies	No SVHC	Not Applicable
System Board	No SVHC	Not Applicable
Other printed circuit assemblies	No SVHC	Not Applicable
Internal Cables / Cords / Connectors	No SVHC	Not Applicable
Internal Hard Disk Drives	No SVHC	Not Applicable
Internal Optical disk drives	No SVHC	Not Applicable
Internal Power Supply	No SVHC	Not Applicable
UPS	No SVHC	Not Applicable
Rack	No SVHC	Not Applicable
Packaging Materials (carton, foam, plastic bags)	No SVHC	Not Applicable
Paper manuals and Software Media (CD, DVD)	No SVHC	Not Applicable
External cables	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7

Flat Panel Monitors

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Stand	No SVHC	Not Applicable
Printed circuit assemblies	No SVHC	Not Applicable
Internal Cables / Cords / Connectors	No SVHC	Not Applicable
Flat Panel display technology, lamp	No SVHC	Not Applicable
Power Supply	No SVHC	Not Applicable
Packaging Materials (carton, foam, plastic bags)	No SVHC	Not Applicable
Paper manuals and Software Media (CD, DVD)	No SVHC	Not Applicable
Power cord	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7

I/O Devices and accessories

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Wired Keyboard	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
Wireless Keyboard	No SVHC	Not Applicable
Wired Mouse	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
Wireless Mouse	No SVHC	Not Applicable
External cables (DVI, USB, HDMI, power cord, etc)	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
Wired external accessories (stand-alone speakers, microphone, webcam)	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
Memory stick	No SVHC	Not Applicable
External HDD	No SVHC	Not Applicable
Rechargeable battery Pack	No SVHC	Not Applicable
Packaging Materials (carton, foam, plastic bags)	No SVHC	Not Applicable