

REACH Statement

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 shifts greater responsibility on industry to manage the risks that chemicals may pose at human health and the environment.

The objectives of REACH are to:

- improve the protection of human health and the environment
- reduce the risks which may be caused by chemicals
- enhance the competitiveness of the EU chemicals industry, a key sector for the economy of the EU
- promote alternative assessment methods for the hazards of substances
- ensure the free circulation of substances on the internal market of the European Union

The REACH regulation demands the industry to provide appropriate safety information to their users. The European Chemicals Agency (ECHA) was founded to implement the REACH regulation. The purpose of ECHA is a central coordination and implementation of the REACH regulation in the overall process.

The concept of REACH is based on substances. Most obligations refer to **substances**, which may also be contained in **mixtures** or **articles**.

Essential aspects of REACH concerning FUJITSU

General provisions

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

FUJITSU is affected by the following roles defined by REACH:

- Downstream user
- Producer and Importer of articles

Duties of downstream users

Downstream users are users (not manufacturer or importer) of chemicals under REACH. They can be companies or individuals:

- within the European Union/European Economic Area,
- who uses a substance, either on its own or in a mixture,
- in their industrial or professional activities.

Downstream users have to use substances which are (pre-) registered. They receive available information on dangerous substances and preparations, about their risks of use and also about their control and safety measures. This information is provided in safety data sheets, just as today.

FUJITSU uses some chemicals in their European factories. FUJITSU implemented a process to ensure that all used substances are registered in accordance to the REACH regulation. This process helps FUJITSU employees to treat chemicals as safe as possible and it also protects our customers as well as the environment from their potential risks.

Duties of manufacturers and importers of substances

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

Manufacturers and importers of substances have to submit a registration to ECHA for each substance manufactured or imported in quantities of 1.000 kg or above per year.
Not registered substances cannot be manufactured or imported.

FUJITSU is a producer of electronic products (defined as “articles” by REACH) and not a manufacturer of substances. Thus, FUJITSU is not affected by this requirement.

Duties of producers and importers of articles

Producers and importers have to register a substance when their articles include a substance which is intended to be released and when the quantity is more than 1.000 kg per year. In these cases, producers and importers, subject the same registration obligations as manufacturers and importers of substances.

Substances in FUJITSU products are not intended to be released. Thus, FUJITSU is not affected by this requirement.

Producer 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.

Disclosure of Substances of Very High Concern (SVHC) on Candidate List

Information on SVHC in a concentration above 0.1% by weight contained in FUJITSU products. SVHC are listed in the "Candidate List": <http://echa.europa.eu/web/guest/candidate-list-table>

The following information is based on SVHC supplier declarations provided to FUJITSU. The information is subject to change, according to any future amendments to the "ECHA Guidance on requirements for substances in articles".

This information will be verified regularly regarding to the latest version of the Candidate List.

Desktop PC's, Workstations and Thin Clients

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel	No SVHC	Not applicable
Mechanical plastic parts	No SVHC	Not applicable
Mechanical metallic parts	No SVHC	Not applicable
Fans	No SVHC	Not applicable
System board (assembled)	No SVHC	Not applicable
Heat sink	No SVHC	Not applicable
Coin cell battery (plugged in the system board)	1, 2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4
Printed circuit boards (assembled), e.g. memory card, audio card, graphic card	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Internal storage (Hard Disk Drive / Solid State Drive)	No SVHC	Not applicable
Internal optical drive	No SVHC	Not applicable
Internal power supply	No SVHC	Not applicable
Display unit of "All in One" (including backlighting)	No SVHC	Not applicable
External cables ¹⁾	No SVHC	Not applicable
External 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

1)	External cables supplied with PC's, workstations or thin clients until 12/2013 may contain DEHP	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
----	---	-----------------------------------	----------

Notebooks and Tablets

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel / Touchpad	No SVHC	Not applicable
Mechanical plastic parts	No SVHC	Not applicable
Mechanical metallic parts	No SVHC	Not applicable
Fans	No SVHC	Not applicable
System board (assembled)	No SVHC	Not applicable
Heat sink	No SVHC	Not applicable
Printed circuit boards (assembled), e.g. memory card, graphic card	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Internal storage (Hard Disk Drive / Solid State Drive)	No SVHC	Not applicable
Internal optical drive	No SVHC	Not applicable
Display unit (including backlighting)	No SVHC	Not applicable
Fingerprint sensor / Camera	No SVHC	Not applicable
Rechargeable battery	No SVHC	Not applicable
External power supply (including power cord)	No SVHC	Not applicable
Docking station / port replicator / cradle / slice keyboard	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

Server and Storage systems

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel	No SVHC	Not applicable
Mechanical plastic parts	No SVHC	Not applicable
Mechanical metallic parts	No SVHC	Not applicable
Fans	No SVHC	Not applicable
System board (assembled)	No SVHC	Not applicable
Heat sink	No SVHC	Not applicable
Coin cell battery (plugged in system boards of servers)	1, 2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4
Printed circuit boards (assembled), e.g. memory card, graphic card	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Internal Storage (Hard Disk Drive / Solid State Drive / Tape)	No SVHC	Not applicable
Internal optical drive	No SVHC	Not applicable
Internal power supply	No SVHC	Not applicable
Uninterruptable power supply	No SVHC	Not applicable
External cables ²⁾	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

2)	External cables supplied with server or storage systems until 12/2014 may contain DEHP	Bis(2-ethylhexyl)phthalate (DEHP)	117-81-7
----	--	-----------------------------------	----------

Flat Panel Monitors

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis	No SVHC	Not applicable
Printed circuit boards (assembled)	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Display unit (including backlighting)	No SVHC	Not applicable
Internal power supply	No SVHC	Not applicable
External power supply	No SVHC	Not applicable
External cables	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

Accessories

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Keyboard	No SVHC	Not applicable
Mouse	No SVHC	Not applicable
Headsets	No SVHC	Not applicable
Speaker	No SVHC	Not applicable
External cables and adapter (DVI, USB, HDMI, power cord, etc).	No SVHC	Not applicable
Smart card reader	No SVHC	Not applicable
Port replicator	No SVHC	Not applicable
Memory stick	No SVHC	Not applicable
External Hard Disc Drive	No SVHC	Not applicable
Security device	No SVHC	Not applicable
Rechargeable battery	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

Head mounted display with wearable keyboard

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis of display	No SVHC	Not applicable
Printed circuit boards (assembled) – Head Display	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Display unit (including backlighting)	No SVHC	Not applicable
Chassis of wearable keyboard	No SVHC	Not applicable
Printed circuit boards (assembled) - Keyboard	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Rechargeable battery	No SVHC	Not applicable
Battery charger (including power cord)	No SVHC	Not applicable
External power supply (including power cord)	No SVHC	Not applicable
Micro USB cable	No SVHC	Not applicable
Monaural earphone	No SVHC	Not applicable
Fitting belt	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

Dot Matrix Printer

Part Name	Substance of Very High Concern (SVHC)	
	Substance Name	CAS Number
Chassis / Bezel (including display unit)	No SVHC	Not applicable
Mechanical plastic parts	No SVHC	Not applicable
Mechanical metallic parts	No SVHC	Not applicable
Printed circuit boards (assembled)	No SVHC	Not applicable
Internal cables / cords / connectors	No SVHC	Not applicable
Internal power supply	No SVHC	Not applicable
External cables	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