

# Management of chemicals in products

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## Compliance with regulations on chemicals in products

Since 2004, we have been managing chemical substances in products. We are committed to staying up to date with the latest information regarding chemicals through industrial associations and responding swiftly and appropriately to new regulations.

## Background and objectives

It is universally understood that the regulation and management of chemicals is an integral part of the international background against which manufacturers operate. Strict compliance with such rules and regulations is essential for the continuation of business. The international management of chemicals dates to the adoption of the Rio Declaration and Agenda 21, at the 1992 United Nations Conference on Environment and Development (the "Earth Summit"). The events of the Earth Summit later led to the enactment in Europe of regulations on chemicals in products. Similarly, international treaties were concluded that prohibits the use of specified chemicals, taking a strategic approach to international chemical management. In Japan, efforts are under way to pass and overhaul laws to accord with laws overseas. To comply with these regulations on chemicals is a requirement of manufacturers in all markets.

Against this background, we at Hamamatsu Photonics are advancing management of chemicals in products based on Management of chemicals in products-Principles and guidelines, a JIS standard; and Guidelines for the management of chemicals in products, published by the Joint Article Management Promotion Consortium (JAMP). On this basis, we have established the Green Procurement Management Standard for Chemical Substances for HAMAMATSU Group. At the same time, we recognize that effective management of chemicals in products is impossible without a consistent framework imposed across the entire supply chain. For this reason our Green Procurement Policy requests that business partners implement their own systems for management of chemicals included in products.

[Green procurement >](#)

## Framework for advancement of green procurement

At Hamamatsu Photonics, the task of responding to regulations on chemicals in products falls to the Headquarters Product Assessment Working Group, which is one of the Headquarters Environmental Working Groups within the Headquarters Environment Committee, the decision-making body of our environmental management system. The Headquarters Product Assessment Working Group is composed of the representatives of each business location of the Company as well as the Environment Committee Secretariats. For their part, similar Working Group are established at each business location, where they coordinate with the to frame specific regulatory responses at their locations.

[Environmental management system >](#)

## Responding to regulations

Hamamatsu Photonics manages chemicals in products based on the Green Procurement Management Standard for Chemical Substances for HAMAMATSU Group. This management standard is applied consistently throughout the Company, governing all products, purchased materials and substances used in production processes. In preparing this standard and listing controlled substances, we referred to a number of international treaties, such as the Stockholm Convention on Persistent Organic Pollutants; international regulations, such as the RoHS and REACH directives in the European Union; and lists of controlled substances, such as IEC 62474. The inclusion and use of the chemicals in question are managed according to three levels: prohibited substances, restricted substances and controlled substances. To ensure that these criteria reflect updates to the related laws, they are reviewed regularly, and knowledge of any revisions is circulated by the Headquarters Environment Committee and through our environmental training programs.

Guided by the Green Procurement Management Standard for Chemical Substances for HAMAMATSU Group, we strive to reduce the environmental impact of the chemicals it uses at every stage. (Please refer to the illustration.)



The products are shipped in compliance with the requirements of each regulation.

The regulatory conformity check is conducted in cooperation with the [Quality Control Committee](#). Products that have been verified are affixed with an environmental label indicating conformity, and a Declaration of Conformity is issued.

## Our initiative on Mercury

This pertains to US Customer Only:  
[Hamamatsu Corporation Mercury Education Plan](#)

Hamamatsu Corporation Mercury Education Plan is available by clicking the following title.

[Hamamatsu Corporation Mercury Education Plan \[50 KB/PDF\]](#)

## System of information about chemicals in products

To confirm the status of chemicals in products and evaluate their compliance with regulations, Hamamatsu Photonics has introduced an information system for management of chemicals in products. This system centrally manages information on our products and information obtained from business partners about their materials. We use the system Company-wide to inform customers of the results of surveys and investigations and to manage documents to confirm compliance. This system enables comprehensive identification of chemical substance information contained in products. Moreover, it is also used to gradually reduce chemical substances restricted for use in products in accordance with future regulations. To make as many employees as possible familiar with the system, we conduct regular in-house training on its use. Today the system has over 500 users throughout Hamamatsu Photonics, in departments such as Quality Control, Production Management, Environmental Management and Material Management.

## Status of handling of main restricted substances

Our Fundamental [environmental policy](#) is committed to compliance with domestic and international legal requirements related to regulated substances. The list of substances restricted for use based on our standards is posted and disclosed in the "[Management Standard for Chemical Substances](#)". The following is a list of major regulations and the status of compliance with those substances.

EU RoHS Directive

Compliance with the 10 restricted substances has been completed by July 2021 for the subject products, and we are supplying products that comply with the directives. We publish the status of RoHS compliance in its products on the Hamamatsu Photonics website, where anyone can confirm it at any time.

[Search RoHS compliant products >](#)

EU REACH regulation

We regularly collect information on substances of very high concern that need to be communicated in value chain, and communicate this information to our customers using the industry information communication format.

[Green procurement activities >](#)

## Future directions

To continue to fulfill its social responsibilities in the environmental aspects in cooperation with its business partners, Hamamatsu Photonics intends to place priority on partnership with companies that respond effectively to regulations on chemicals included in products. Informed by the checksheet with the Guidelines for the management of chemicals in products published by JAMP, Hamamatsu Photonics conducts regular on-site checks of implementation by its business partners. If these checks indicate that improvements are required, we will ask those business partners to take action and will provide support for them in doing so.