

REACH

Supplier Frequently Asked Questions

What is REACH?

REACH is an acronym for the registration, evaluation, authorization, and the restriction of chemicals. REACH is a complex European Union (EU) chemical regulation that standardizes the regulation of chemical substances and their uses (including those contained in products) across EU member states. REACH has been adopted by the 27 EU member states, plus Norway, Iceland and Lichtenstein. The European Chemical Agency (ECHA) implements and coordinates REACH, while compliance is overseen by each member state. REACH essentially consists of two major elements: (1) registration and evaluation of chemical substances placed on the EU market, and (2) communication, notification, authorization and restriction of substances of very high concern (SVHCs). The attached ECHA brochure provides an overview of REACH. Detailed REACH information can be found on the ECHA website at: http://echa.europa.eu/home_en.asp.

As a Raytheon supplier, how does REACH affect me?

As a Raytheon supplier, you may be asked to provide information about certain chemicals in parts or products that you supply to us. This information will be necessary to maintain REACH compliance for products that we deliver to our EU customers. Your company may have direct responsibilities under REACH if you are an EU-based supplier. Non-EU-based companies may also have direct REACH compliance responsibilities if you supply to an EU customer. You may also be subject to potential continuity-of-supply risks if you import chemicals, parts, or products from an EU supplier.

What is Raytheon doing to comply with REACH?

Raytheon has a company-wide team working diligently to identify our specific REACH compliance obligations. We have evaluated our EU contracts for REACH registration requirements and are implementing a process for identifying SVHCs present in our products.

REACH REGISTRATION OF CHEMICAL SUBSTANCES

What is REACH pre-registration and registration?

As of June 1, 2008, chemical substances, on their own, in mixtures, preparations, or that are intended to be released from an article, must be registered with ECHA if they are produced in or imported into the EU in annual quantities of 1 metric ton/year (1,000 kilograms/year), per substance, or greater. Registration is a complex process which follows a phased timeline that depends on the annual quantity produced or imported. ECHA has established a pre-registration period, during which existing chemical substances subject to registration can be pre-registered with ECHA. Companies that pre-register chemicals benefit from the phase-in registration period; companies that do not pre-register must remove their product from the EU market, or limit import, until full registration is complete. The pre-registration period extends from June 1 to November 30, 2008.

Does REACH pre-registration and registration affect me?

It's possible. EU-based suppliers should evaluate their product line and determine if they produce, or import into the EU, chemical substances that are regulated under REACH. Both non-EU-based and EU-based suppliers should evaluate their EU supply chain for possible continuity-of-supply issues that may arise if an EU-based supplier does not pre-register a REACH-regulated chemical substance. A Raytheon supplier who anticipates a disruption in continuity-of-supply should contact their Raytheon buyer immediately.

SUBSTANCES OF VERY HIGH CONCERN (SVHCs)

What are SVHCs, and where is a list of all potential SVHCs published?

No comprehensive list is available; however, ECHA provides guidance on the types of chemicals that may be identified as SVHCs and included on a "Candidate List." These include the following:

- Category 1 or 2 carcinogens, mutagens, or toxic to reproduction (CMR) chemicals
- Persistent, bioaccumulative, and toxic (PBT) or very persistent/very bioaccumulative (vPvB) chemicals
- Chemicals that cause serious probable effects to human health or the environment of an equivalent level of concern as those identified above.

How will SVHCs be regulated?

For each SVHC present in an article above 0.1 percent by weight:

- Upon publication on the Candidate List, sufficient information to allow the safe use of an article must be provided to the recipient (i.e., customer).
- As of June 1, 2011, notification of SVHCs produced or imported into the EU above 1 metric ton/year must be made to ECHA.
- SVHCs included on the Candidate List may be subject to use authorization or use restrictions.

What chemicals are on the current Candidate List of SVHCs proposed for authorization?

A list of the initial fifteen Candidate List SVHCs can be found on the ECHA website at the address below. It's important to recognize that additional substances meeting the SVHC criteria will be added to the Candidate List over the next several years.

http://echa.europa.eu/chem_data/candidate_list_table_en.asp

How will I know if I need to evaluate parts supplied to Raytheon for SVHCs?

REACH applies to Raytheon products exported to the EU. We will contact you with an SVHC declaration request, if you supply parts or materials that are incorporated into a product bound for the EU.

If I'm contacted, what SVHC information will Raytheon require?

We will request that you submit an SVHC declaration. The declaration will require that you determine and declare the percent composition, to 0.1 percent wt/wt, of each SVHC for which information is requested.

Will only one submittal of SVHC information be necessary?

Unfortunately, no. The initial Candidate List is merely a starting point. As noted above, ECHA will periodically update the Candidate List with new SVHCs. As new SVHCs become regulated under this part of the REACH regulations, Raytheon will be required to identify the weight composition of each new SVHC added to the Candidate List. To accomplish this, Raytheon will need information from its suppliers on these newly listed SVHCs, and will, therefore, periodically send subsequent requests for updated SVHC information.

Will I need to obtain information from my suppliers?

In many cases, yes. It's important that we receive an accurate evaluation from you of SVHCs contained in the parts your company supplies to Raytheon. If the part or article that you supply to Raytheon contains parts from other suppliers, then you will likely need to engage your suppliers to complete the request accurately.

When will I be contacted by Raytheon requesting REACH information, and what can I do now?

Raytheon is developing a process for evaluating SVHCs in products sold to EU customers. We expect to begin requesting information from suppliers during the fourth quarter of 2008.

We highly recommend that suppliers develop a process for evaluating the presence of SVHCs in your products, so that you are able to perform the evaluation quickly and accurately when you receive our request. The REACH requirement to communicate composition and safety information begins when an SVHC is published on the Candidate List. Hence, the request that you receive from Raytheon will likely have a short response time. We also encourage you to begin evaluating the parts that you sell to Raytheon for the presence of SVHCs, based on the most current Candidate List.

**For questions regarding Raytheon's REACH compliance process,
e-mail us at reach@raytheon.com**

What can my company do?

Create an inventory of all substances or substances in preparations or articles fulfilling REACH criteria you export to the EU. Check the website of the European Chemicals Agency to find out if the substances or uses in your inventory are exempted from the registration under REACH.

Identify for each substance on its own or in a formulated product the **likely volume band per EU importer**.

If a chemical substance in these inventories is imported into the EU ≥ 1 tonne/year it needs to be pre-registered and registered by the EU importer or your Only Representative to ensure uninterrupted exports.

Consult the website of the European Chemicals Agency for information on the Regulation and study the guidance on relevant REACH duties.

Prepare data and information for your EU importers or Only Representative.

What information is required for a registration?

The Regulation sets different information requirements (e.g. on hazards, use conditions & exposure) for chemicals manufactured or imported in different volume bands.

The hazard information of a chemical substance must be shared among all registering companies in so-called SIEFs (Substance Information Exchange Forum).

If a company uses data owned by another company, the data owner is entitled to compensation.

New data should not be generated by testing on vertebrate animals without an agreement from the European Chemicals Agency.

Where can my company turn for further information?

The "About REACH" section on the website of the European Chemicals Agency gives an overview of the Regulation.

The website also provides:

- ▶ A Navigator tool which will assist importers and Only Representatives to find out their obligations and how to fulfil them
- ▶ Extensive guidance on REACH provisions
- ▶ IT tools for REACH uses and how to operate them
- ▶ Frequently Asked Questions

If you can not find sufficient advice by consulting the Navigator, guidance documents or Frequently Asked Questions on the website you should consider consulting:

- ▶ Your EU importers: they are good sources for information on sector specific issues
- ▶ The National helpdesk in the country of your EU importer or your Only Representative (contact details are available on the website)

The REACH helpdesk of the European Chemicals Agency will assist with:

- ▶ Questions regarding the registration of substances,
- ▶ The IUCLID5 tool and gives
- ▶ Advice to companies in Third Countries

The ECHA website can be accessed at:

<http://ec.europa.eu/echa/>

REACH

THE NEW EUROPEAN CHEMICALS LEGISLATION

Information for exporters to the European Union

What should your company know?

What is REACH?

REACH is a new European Community Regulation on chemicals and their safe use. It deals with the Registration, Evaluation, Authorisation and Restriction of Chemical substances. The new Regulation entered into force on 1 June 2007.



European
Commission



European Chemicals Agency

Does REACH affect companies outside the European Community?

No – but your exports may be concerned if you or your customers export

- ▶ *chemical substances* (e.g. base chemicals, speciality chemicals, metals, natural substances if they are chemically modified)
- ▶ *or mixtures* (“preparations”) of chemical substances (e.g. cleaning products, formulated process chemicals, paints, motor oils)
- ▶ *or substances or preparations in containers* (e.g. printer cartridges).
- ▶ *or articles* which contain *substances which are intentionally released* during their use (e.g. fragrance in a scented candle)
- ▶ *or* contain substances which are on a candidate list of “*substances of very high concern*”. This list may become available at the website of the European Chemicals Agency from autumn 2008.

to any of the following 27 **European Union** (EU) Member States:

Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Netherlands, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden and United Kingdom

Iceland, Lichtenstein and Norway, which are part of the **European Economic Area** are planning to transpose REACH to their national legislation. When this has taken place the same requirements apply to exports to these countries.

For imported products, REACH obligations must be fulfilled by the **EU importers** who will have to rely on their suppliers in Third Countries for **hazard data and safe use information** that is required for a registration.

If you would prefer to register on behalf of your EU importers, the Regulation allows Third Country manufacturers to appoint a company established in the European Union to act as their **Only Representative**. An Only Representative will have to carry out the registration of substances on their own, in preparations or in articles on behalf of the exporter he represents.

What has changed in the EU regarding chemicals management?

REACH introduces an **obligation to send a registration**, with some exceptions, to the European Chemicals Agency (ECHA) for chemical substances on their own or in preparations, which are manufactured in or imported into the EU in quantities of ≥ 1 tonne per year by any company in the European Community. The obligation applies in certain cases also to substances in articles. Failure to register will mean for a company that it is no longer allowed to manufacture the substance in or import it into the EU.

REACH also introduces some changes to **supply chain communication**. These include a new Safety Data Sheet format, communication of safe use information on chemicals which do not need a Safety Data Sheet, and new information obligations on articles which contain substances of very high concern.

What are the timelines?

Between 1 June and 1 December 2008 EU-manufacturers and EU-importers need to provide some limited information on each existing (so-called phase-in) substance for **pre-registration** with the European Chemicals Agency. This will allow companies to benefit from extended registration deadlines (2010, 2013 & 2018) depending on the substance and its volume band.

If an EU importer or your Only Representative fails to meet the deadline for pre-registration, he can not benefit from the extended registration deadlines and will need to register the substance before importing it again into the EU market.

Substances which were not pre-registered but are **imported for the first time into the EU after 1 December 2008** (end of pre-registration deadline) may benefit from the staggered registration timelines if the information requested for pre-registration is provided within 6 months of first import into the EU and no later than 12 months before the relevant registration deadline.

Registration obligations and how to fulfil them are explained in detail in the REACH guidance documents on the website of the European Chemicals Agency.

