

To: Pexa Customer REACH responsible Executive

30th September 2011

Subject: European Regulation 1907/2006 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Pexa Bulletin No. 5.

Dear Customer,

This bulletin acts as a response to various queries as well as an update to the previous communication we have sent to you regarding Pexa's planning for REACH. In order to address these issues as well as fulfil our recognised responsibility relating to REACH as part of your supply chain, this letter seeks to clarify any uncertainties you may have.

Candidate List (CL)

The total number of substances currently in the candidate list is 53 and the up to date list can be accessed via the following link:

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

Adding a chemical to REACH's Candidate List is the first stage of the authorisation process which when complete can mean that a chemical can only be used once specifically authorised by the appropriate EU Authorities. It indicates that a substance has a significant health risk associated with it.

Strontium chromate was one of seven new substances added to the Candidate List of SVHC for authorisation in June 2011. The Member State Committee unanimously agreed that strontium chromate be added to the list as a carcinogen:

http://echa.europa.eu/news/pr/201106/pr_11_15_svhc_candidate_list_en.asp.

Roughly 9000 tons of strontium chromate is produced per year and 900-2000 tonnes of it are used in the EU. Many corrosion inhibiting primers include strontium chromate. We have been assured by the manufacturer that R&D is ongoing to develop alternatives to products containing chromates. They have also informed us that if suitable alternatives are not found or the technical and safety performances have not been verified for proposed replacements and strontium chromate was to be made subject to authorisation, they will apply for authorisation for the specific use as a corrosion inhibiting primer.

Following the first stage of adding a chemical to the CL, the ECHA selects substances to be recommended for inclusion in the Annex XIV (Authorisation List) and those to be prioritised for authorisation by the European Commission. Other substances on the candidate list important to the aerospace industry and their authorisation status include:

- Lead chromate – **Recommended for Annex XIV list**
- Chromic acid – **Prioritised for authorisation**
- Trichloroethylene – **Prioritised for authorisation**
- Sodium chromate – **Prioritised for authorisation**
- Sodium dichromate – **Prioritised for authorisation**
- Zirconia aluminosilicate refractory ceramic fibres – **CL**
- Aluminosilicate refractory ceramic fibres – **CL**

The ECHA launched a public consultation, with a deadline of 15th September 2011, on its plan to upgrade a further 13 substances to the Annex XIV list. Some of these substances are important to the aerospace industry and listed above including chromic acid, trichloroethylene, sodium chromate and sodium dichromate. A list of the 13 substances can be viewed via:

http://echa.europa.eu/news/na/201106/na_11_26_public_cons_inclusion_of_susb_in_auth_list_en.asp

As a supplier and importer Pexa has the following duties to our customers:

- To inform you if any CL substances are present in articles above a concentration of 0.1 % (w/w) and to provide information to ensure the safe use of the product.
- To inform the ECHA within 6 months of addition if an article contains a CL substance above a concentration of 0.1 % (w/w) and when imported in quantities greater than 1 tonne per year.
- To provide safety data sheets to customers in relation to CL substances if they are supplied either on their own or in mixtures above a concentration of 0.1 % (w/w).

A summary of the obligations that arise from adding a substance to the CL is available from:
http://echa.europa.eu/chem_data/authorisation_process/candidate_list_obligations_en.asp

Authorisation List / Annex XIV List

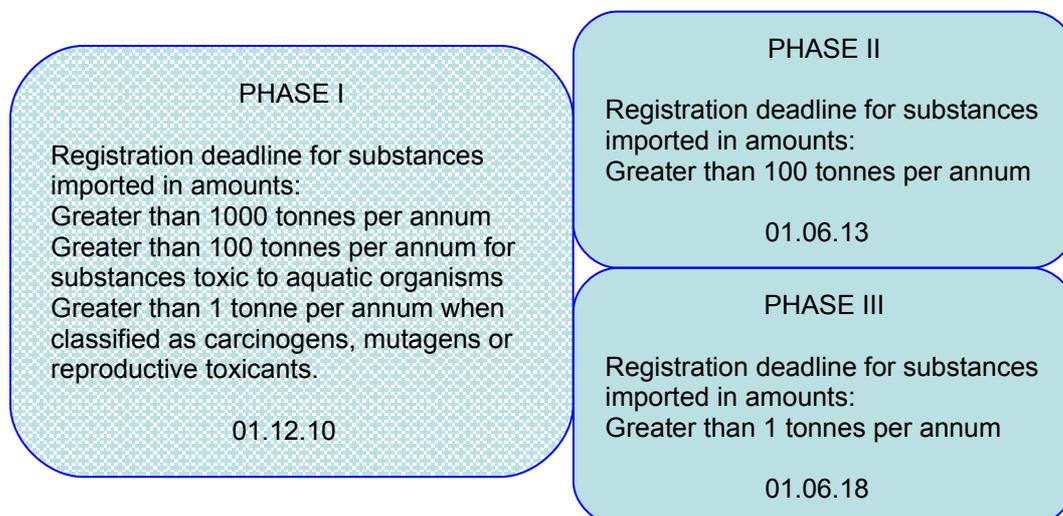
In February the first six chemicals were made subject to authorisation, moving them from the CL to the Annex XIV list marking a significant milestone for REACH. These chemicals were:

- benzyl butyl phthalate (BBP)
- 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)
- hexabromocyclododecane (HBCDD)
- 4,4'-diaminodiphenylmethane (MDA)
- bis(2-ethylexyl) phthalate (DEHP)
- dibutyl phthalate (DBP)

To carry on using any amount of these substances authorisation must be gained for their specific use. Each company wishing to carry on using the substances has a window of time to apply for authorisation although the application must meet several criteria as well as demonstrating measures are in place to “adequately control” the use. After the specified “sunset date” the substance cannot be used without authorisation unless the specific process is exempt.

The Authorisation List with the applicable “sunset dates” can be viewed via:
http://echa.europa.eu/reach/authorisation_under_reach/authorisation_list_en.asp.

Registration



The registration process has been broken into three phases:

- First phase – deadline was last December.
- Second phase – deadline is in 2013 for registration of substances that are imported in amounts greater than 100 tonnes per annum.
- Third phase – deadline is in 2018 for substances that are imported in amounts greater than 1 tonne per annum.

Many of Pexa's products do not need to be registered until the third and final phase deadline.

Our aim is to keep you informed with updates on this particularly important issue. Below are a few links that contain information on REACH processes in more detail:

REACH FAQs:

http://echa.europa.eu/reach/reach_faq_en.asp

BCF:

http://www.coatings.org.uk/Key_Issues/REACH.aspx

HSE:

<http://www.hse.gov.uk/reach/index.htm>

For further information, please do not hesitate to contact us at Reach@pexa.co.uk.