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Friday 25<sup>th</sup> February, 2011

Dear Customer,

## Re: Harwin and the REACH Directive (EC1907/2006).

I can hereby confirm that Harwin are aware of the EC Directive EC1907/2006, known as REACH (Registration, Evaluation, Authorisation and Restriction of Chemical substances).

To the best of our understanding, registration (or pre-registration) is required for companies that either produce or import into the EU any substance in volumes that exceed one tonne per substance per year. Harwin do not exceed this import amount, nor do we produce our own substances, and will therefore not be required to register.

However, if customers require further information to evaluate the content of their products, we can generate material compositions on request, for any of our products. Please contact [leadfree@harwin.co.uk](mailto:leadfree@harwin.co.uk) with your requirements.

## SVHC (Substances of Very High Concern) declaration.

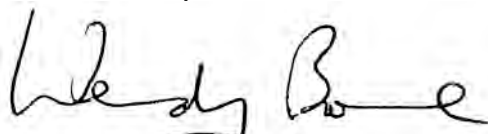
To the best of our understanding, all standard Harwin products (those listed in our catalogue or on our website), irrespective of Country of Origin of the final product or materials, do not contain any of the substances included on the Candidate List of Substances of Very High Concern (SVHC list) as it stands updated 15<sup>th</sup> December 2010. The current list can be found here:

[http://echa.europa.eu/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)

A summary of the list also follows on pages 2 & 3 of this document.

If you have any further questions regarding this letter, please do not hesitate to contact me.

Yours faithfully,



Miss Wendy Jane Bourne, BEng  
Technical / Marketing Engineer & RoHS Compliance Project Manager  
[leadfree@harwin.co.uk](mailto:leadfree@harwin.co.uk)

## CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN (15-12-2010)

- ❖ 2,4-Dinitrotoluene
- ❖ 2-Ethoxyethanol
- ❖ 2-Methoxyethanol
- ❖ 4,4'-Diaminodiphenylmethane
- ❖ 5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)
- ❖ Acrylamide
- ❖ Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)
- ❖ Aluminosilicate Refractory Ceramic Fibres
  - are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:*
  - a)  $Al_2O_3$  and  $SiO_2$  are present within the following concentration ranges:  
 $Al_2O_3$ : 43.5 – 47 % w/w, and  $SiO_2$ : 49.5 – 53.5 % w/w, or  
 $Al_2O_3$ : 45.5 – 50.5 % w/w, and  $SiO_2$ : 48.5 – 54 % w/w,*
  - b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres ( $\mu m$ ).*
- ❖ Ammonium dichromate
- ❖ Anthracene
- ❖ Anthracene oil
- ❖ Anthracene oil, anthracene paste
- ❖ Anthracene oil, anthracene paste, anthracene fraction
- ❖ Anthracene oil, anthracene paste, distn. lights
- ❖ Anthracene oil, anthracene-low
- ❖ Benzyl butyl phthalate (BBP)
- ❖ Bis (2-ethylhexyl)phthalate (DEHP)
- ❖ Bis(tributyltin)oxide (TBTO)
- ❖ Boric acid
- ❖ Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid
- ❖ Chromium trioxide
- ❖ Cobalt dichloride
- ❖ Cobalt(II) carbonate
- ❖ Cobalt(II) diacetate
- ❖ Cobalt(II) dinitrate
- ❖ Cobalt(II) sulphate
- ❖ Diarsenic pentaoxide
- ❖ Diarsenic trioxide
- ❖ Dibutyl phthalate (DBP)
- ❖ Diisobutyl phthalate
- ❖ Disodium tetraborate, anhydrous
- ❖ Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:
  - Alpha-hexabromocyclododecane*
  - Beta-hexabromocyclododecane*
  - Gamma-hexabromocyclododecane*
- ❖ Lead chromate
- ❖ Lead chromate molybdate sulphate red (C.I. Pigment Red 104)
- ❖ Lead hydrogen arsenate
- ❖ Lead sulfochromate yellow (C.I. Pigment Yellow 34)

## **CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN (15-12-2010) (CONTINUED)**

- ❖ Pitch, coal tar, high temp.
- ❖ Potassium chromate
- ❖ Potassium dichromate
- ❖ Sodium chromate
- ❖ Sodium dichromate
- ❖ Tetraboron disodium heptaoxide, hydrate
- ❖ Trichloroethylene
- ❖ Triethyl arsenate
- ❖ Tris(2-chloroethyl)phosphate
- ❖ Zirconia Aluminosilicate Refractory Ceramic Fibres
  - are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two following conditions:*
  - a) Al<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub> and ZrO<sub>2</sub> are present within the following concentration ranges:  
Al<sub>2</sub>O<sub>3</sub>: 35 - 36 % w/w, and SiO<sub>2</sub>: 47.5 - 50 % w/w, and ZrO<sub>2</sub>: 15 - 17 % w/w,*
  - b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm)*