

**Date:** August 15, 2011

**Subject:** Acknowledgement of Compliance with the European Regulation (EC) Registration, Evaluation, Authorization of Chemicals (REACH) No. 1907/2006, in force since 1<sup>st</sup> June 2007.

To Whom It May Concern,

California Eastern Laboratories (CEL) is the exclusive sales and marketing partner for products made by Renesas Electronics Corporation, Compound Semiconductor Devices Business Division (CSDBD). These products include RF and wireless ICs and discrete devices, lasers and detectors for fiber optics, optocouplers and solid state relays.

CEL offers the following information regarding CSDBD products.

### **Awareness**

Renesas Electronics (REL) is aware of the REACH regulation and will take all necessary actions to fully comply with its requirements, especially Title VIII § 67 and Annex XVII.

### **Pre-Registration / Registration**

1) Renesas Electronics semiconductor devices do not exhibit intended release of chemical substances (listed in Annex XVII\*) under normal or reasonably foreseeable conditions of their application. In line with the REACH regulation there will be NO need to register any substance.

2) Following the in-depth evaluation of the chemical substance content in our products **Renesas Electronics confirms that Renesas devices do not contain any substances listed in SVHC-Candidates table by ECHA** published 21<sup>st</sup> June 2011. (Please refer to [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))

Further details with regard to Renesas Electronics evaluation are provided on the following page.

### **Single Point Contact**

CEL has taken organizational measures to manage compliance in line with REACH including assignment of a single point of contact. Contact details are as follows, or you may contact your current source for CEL supplied parts.

Name: Gail Wisniewski  
Title: Quality Engineer  
Email: [gail.wisniewski@cel.com](mailto:gail.wisniewski@cel.com)

### **Impact on availability of products**

As of now REL and CEL do not expect any negative impact from REACH on future supply of current products. We confirm to undertake all necessary efforts to comply with REACH regulation to ensure continuous supply of Renesas Electronics products to our valued customers.

If you should have any additional questions regarding our devices and compliance to environmental standards, please do not hesitate to contact your local representative.

Best regards,



Jim West  
Director Quality

**Renesas Electronics evaluated and reviewed the present status of SVHCs.**

**1) Renesas Electronics products**

Renesas Electronics products do not contain any SVHCs listed in following URL, in which the recently announced SVHCs are included (last update 2011/06/21).

[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)

**2) Packaging material**

In reference to the updated list of SVHCs mentioned in the below URL, Renesas Electronics evaluated their products and packaging material and identified five hazardous substances:

[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) Cobalt dichloride** Cobalt dichloride is contained in Humidity Indicator Card (HIC). Renesas Electronics has announced Product Notification (PN) to change HIC to cobalt dichloride-free type. The switchover to cobalt dichloride-free type is under way now.

**b) Bis (2-ethyl(hexyl)phthalate) (DEHP)** Traces of DEHP have been identified in some magazine sticks made of polyvinyl chloride (PVC).

**c) Dibutyl phthalate (DBP)**

Traces of DBP have been identified in some magazine sticks made of polyvinyl chloride (PVC).

**d) 1,2-Benzenedicarboxylic acid, di-C7-11 branched and linear alkyl esters (DHNUP)**

Traces of DHNUP have been identified in some magazine sticks made of polyvinyl chloride (PVC).

**e) 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)**

Traces of DIHP have been identified in some magazine sticks made of polyvinyl chloride (PVC).

Other SVHCs except for the above mentioned CoCl<sub>2</sub> and DEHP, DBP, DHNUP and DIHP are not contained.

Renesas Electronics is making best efforts to substitute packaging material a) – e).

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