



STATEMENT REGARDING EU-REACH Integrated Circuit Products

Effective date: 15 January 2019

To our valued customers:

The European Union's REACH Directive,¹ among other things, requires EU manufacturers and importers to determine if they must: 1) register certain substances with the European Chemicals Agency ("ECHA"), 2) notify ECHA regarding certain substances, or 3) communicate to customers that certain substances are present in the materials ("articles" and "preparations") they manufacture or import into the European Union.

Microchip's compliance efforts include monitoring REACH regulatory developments and an evaluation process for our products. Our product evaluation includes engineering analysis, third party testing, and other information or documents provided by the manufacturer or distributor of raw materials or by subcontract assemblers of Microchip's integrated circuit products. Because our evaluation includes reliance on third party information, we cannot verify to a certainty the accuracy of such third party information. With that limitation in mind, we can provide the following information to our customers:

1. Registration with ECHA: When assessing REACH requirements for registration, EU manufacturers and EU importers are required to evaluate their articles to determine whether a prescribed exposure to chemicals exists. Registration of substances in articles is required where: a) substances are intended to be released from the produced or imported articles during normal and reasonably foreseeable conditions of use; and b) the total amount of substance present in the articles with intended releases produced and/or imported by that actor exceeds one (1) metric ton or more per year per producer or importer. As of the date above, there are no known or intended releases of chemical substances under normal or reasonably foreseeable conditions from the use of Microchip's electronic products. Therefore, Microchip is not subject to registration requirements under Articles 7(1) and 7(5) of REACH for its electronic products.

2. Notification with ECHA: Separate from the registration requirement above, the REACH Directive requires EU manufacturers and importers of certain substances to notify ECHA regarding each substance that is: a) a Substance of Very High Concern ("SVHC"),² present above a concentration threshold of 0.1% of the weight of the article; and b) imported in quantities of one (1) metric ton or more per year. Exemptions and other conditions can play into the analysis. Microchip does not

¹ Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

² Link to the published EU-REACH SVHC listing: <http://echa.europa.eu/candidate-list-table>



import more than one metric ton of any of the 197 SVHC into the European Union in any given year. Therefore, the notification requirements under Article 7(2) of REACH are not applicable to Microchip's electronic products.

3. Communication to Customers: REACH also imposes communication requirements on EU manufactures and importers to their customers regarding the existence of SVHC, if present above a concentration threshold of 0.1% of the weight of the preparation or article. As of the date above, none of the articles in Microchip's integrated circuit products have been found to have equal to or greater than 0.1% weight over weight of any of the 197 SVHCs, with the exception of those identified within footnote 3³. For a more detailed disclosure on the material content of any Integrated Circuit or module family listed in Footnote 3 please contact Microchip directly. This letter is intended to be a proactive notification of the existence of REACH SVHCs and Microchip's efforts to substitute said materials.

4. Communication with respect to ANNEX 17: Annex XVII sets out a list of restrictions on the manufacture, placing on the market and use of certain dangerous chemical substances, mixtures and articles. The Annex contains restrictions on the marketing and use of dangerous substances adopted since 1976 in the framework of Directive 76/769/EEC, as well as subsequent restrictions adopted under REACH. These substances have specific restrictions and certain chemical restrictions in specific product(s). To the best of our current knowledge and belief, Microchip products have no restrictions and meet the requirements listed under Annex XVII.

Microchip commits to compliance with the REACH Directive and to communicate compliance to our customers as the scope and breadth of REACH regulation evolves. For information regarding the exclusive, limited warranties applicable to Microchip products, please see Microchip's standard terms and conditions of sale, which are printed on our sales documentation and available at www.microchip.com.

A handwritten signature in black ink, appearing to read 'Michael Finley', is written over the printed name and title.

Michael Finley
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³ With exception of Lead (CAS No: 7439-92-1) authorized usage under EU-ELV II and EU-RoHS 3 may be contained and identified within some products. Articles already covered by specific legislation regulating lead content should, for reasons of consistency, be exempted. Refer to amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ('REACH') as regards lead and its compounds.
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2015.104.01.0002.01.ENG

BMxx / RN4xx / KLRxx may contain thick film resistors [lead monoxide (1317-36-8)] and/or capacitors or inductors [diboron trioxide (1303-86-2)] which have reportable amounts under the new EU-REACH article definition. Replacement components are not yet available. The definition at § 7.1(b) requires registration of an article only if it contains a regulated substance that is intended to be released under normal or reasonably foreseeable conditions of use. In all cases, each of the substances identified above are chemically bound in a ceramic or glass matrix and presents no hazard to humans or the environment under normal handling and use. Microchip's analysis is that such products constitute non-registrable articles and are suitable for their intended and anticipated use. Refer to JEITA's position statements (24JEITA #207, #247, and #248). <http://home.jeita.or.jp/ccb/ceramic.html>