

Polypropylene

All Polypropylene Products

Effective Date: January 12, 2014

Directive 2011/65/EU: Restriction of the Use of Certain Hazardous Substances (RoHS2) Directives 94/62/EC and 2004/12/EC: Directives on Packaging and Packaging Waste

DIRECTIVE 2011/65/EU¹ on the restriction of the use of certain hazardous substances in electrical and electronic equipment (**RoHS2**) sets concentration limits for lead, mercury, hexavalent chromium, cadmium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) in specific electrical products. **RoHS2** does not apply to polypropylene as a raw material.

However, in an effort to assist our customers in complying with **RoHS2** requirements, Total Petrochemicals & Refining USA, Inc. (TPRI) can confirm that **polypropylene products supplied by TPRI contain less than 0.1 % (1000 ppm) by mass of lead, mercury, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) and less than 0.01 % (100 ppm) by mass of cadmium** as required by RoHS2.

TPRI hereby certifies that **polypropylene** products supplied by TPRI comply with Directive 94/62/EC and Directive 2004/12/EC on Packaging Waste with respect to the heavy metals content limit, because **the sum of the concentration levels of cadmium, mercury, lead and chromium is less than 100 ppm by mass.**

TPRI does not test each raw material we purchase, nor do we routinely test our polypropylene products for trace amounts of these substances. However, we do exercise good product stewardship and seek information concerning the composition of our raw materials from our suppliers. Based on this information, and knowledge of our manufacturing process, we believe that our polypropylene products do not contain the substances listed above at levels greater than those indicated.

These statements do not cover the users

- modification of our product by any addition of any other product to it,
- modification of our product resulting from processing of the product, or
- inadequate use and/or storage of our material or the finished articles by the end user.



Paul Bradley, Ph.D.
Manager Product Stewardship
Total Petrochemicals & Refining USA, Inc.

¹ Directive 2011/65/EU repeals former RoHS Directive 2002/95/EC as amended with the effective date of 3 January 2013.

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The customer is solely responsible for determining the suitability, use, and application of this product. The customer is advised to test the product to confirm it is suitable in its manufacturing processes and meets its needs. All sales are subject to Total Petrochemicals & Refining USA, Inc. (TPRI) standard terms and conditions of sale, copies of which are available upon request. TPRI disclaims any responsibility for misuse or misapplication of its products. Except as expressly provided on the TPRI standard terms and conditions of sale, no warranty, express or implied, is made with respect to this product. TPRI based the information herein on data believed to be reliable on the date compiled and this information relates only to the named product when not in combination with any other product or materials. TPRI EXPRESSLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, SUITABILITY, ACCURACY, RELIABILITY OR COMPLETENESS OF THIS INFORMATION. TPRI's sole liability and customer's exclusive remedy for any claims arising out of TPRI products are expressly limited to replacement of product that is non-conforming to TPRI's product specifications. In no event shall TPRI be liable for lost profits, special, incidental, consequential or punitive damages.