



**TOTAL PETROCHEMICALS**

TOTAL PETROCHEMICALS USA, INC.

**All  
Polyethylene  
Resins**

Effective Date: November 6, 2008

**Statement Concerning REACH and Substances of Very High Concern**

Many of TOTAL PETROCHEMICALS USA, INC.'s polyethylene customers outside of Europe manufacture articles, which in most cases will not require registration or notification under REACH to be imported into Europe. Article 7 of REACH, defines circumstances under which article producers and importers are required to register or notify of substances in articles and details the requirements. Along with other requirements, Article 7 requires that any producer or importer of articles to notify the European Chemical Agency when an article contains Substances of Very High Concern (SVHC) in a concentration above 0.1 % (w/w).

At this point in time, TOTAL PETROCHEMICALS USA, INC.'s polyethylenes do not contain any substances specifically identified as SVHCs\* at levels greater than 0.1 % (w/w), including the following substances from the candidate list for Annex XV, as updated on October 29, 2008.

Substance Name	EC (CAS RN)	Substance Name	EC (CAS RN)
Triethyl arsenate	427-700-2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4
Anthracene	204-371-1	Bis (2-ethylhexyl)phthalate(DEHP)	204-211-0
4,4'- Diaminodiphenylmethane (MDA)	202-974-4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 and 221-695-9 (134237-50-6) (134237-51-7) (134237-52-8)
Dibutyl phthalate (DBP)	201-557-4	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	287-476-5
Cobalt dichloride	231-589-4	Bis(tributyltin)oxide (TBTO)	200-268-0
Diarsenic pentaoxide	215-116-9	Lead hydrogen arsenate	232-064-2
Diarsenic trioxide	215-481-4	Benzyl butyl phthalate (BBP)	201-622-7
Sodium dichromate	234-190-3 (7789-12-0 and10588-01-9)		

While we do not test each raw material we purchase, nor do we test our polyethylene products for trace amounts of these SVHCs, we do exercise good product stewardship and seek information concerning raw material composition from our suppliers. Based on information from our suppliers and knowledge of our process, we believe that our products do not contain these SVHCs in amounts greater than 0.1 %.

This statement does not cover

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

Paul Bradley, Ph.D.  
Manager Product Stewardship

Disclaimer: This REACH Statement for polyethylene does not constitute legal or business advice. Statements about REACH are provided for informational purposes only; they are based upon the information available at this time regarding REACH and are subject to change at any time. TOTAL makes no warranties or representations either express or implied with respect to the information provided in this REACH Statement. Every customer should review REACH and determine what actions they should take, if any, to comply.

\* These currently include (see Article 57 of REACH) substances which are Category 1 or 2 Carcinogens, Mutagens, and Reproductive toxins (CMRs) in accordance with Directive 67/548/EEC; substances which are Persistent, Bioaccumulative, and Toxic (PBTs) or very Persistent and very Bioaccumulative (vPvBs) in accordance with Annex XIII of REACH; or substances on the recent candidate list (Annex XV, updated October 29, 2008).

	<p><b>TOTAL PETROCHEMICALS USA, INC.</b> www.totalpetrochemicalsusa.com <b>1201 Louisiana Street, Ste 1800</b> Houston, TX 77002 Phone 713-483-5000</p>	<p><b>CUSTOMER SERVICE</b> P.O. Box 674411 Houston, Texas 77267-4411 <b>1-800-344-3462</b></p>	<p><b>Product Stewardship</b> Phone: 713-483-5633 FAX 713-483-5050</p>
<p>The application of this product must be guided by the user's own methods for selection. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC.'s liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.</p>			