



**Harbour**  
INDUSTRIES  
High Performance Wire & Cable

## Materials and Environmental Summary

### Harbour Industries

**PFOA (Perfluorooctanoic Acid):** PFOA, Perfluorooctanoic Acid, is essentially a surfactant, defined as a water soluble chemical that can emulsify oils or liquids in water, suspend small particles in water or act as a wetting agent. PFOA is used as a polymerization aid in the manufacture of fluoropolymers. It is not intended to be part of the final product and is largely removed in the final steps of polymer production. The removal of any residual PFOA is further facilitated by the high temperatures used in processing a fluoropolymer into a finished product.

The 01/12/05 Environmental Protection Agency (EPA) Draft Risk Assessment is consistent with the EPA's previously stated position that the Agency "does not believe there is any reason for consumers to stop using any consumer or industrial-related products" made with PFOA. On 01/25/06 a global 2010/15 PFOA Stewardship Program was launched. It invites companies to participate in a voluntary emissions reduction program for PFOA. The goal of this program is to reduce PFOA releases and its presence in products by 95% by no later than 2010 and to work toward eliminating these sources of exposure five years after but no later than 2015.

There is currently no legislation barring the use of PFOA in the manufacture of fluoropolymers only a voluntary initiative to reduce its use. Harbour Industries, Inc. is a manufacturer of high performance wire and cable products. Harbour is not a manufacturer of fluoropolymer resins nor is PFOA added in the manufacture of any of its products. We continually perform in-process and final quality testing to confirm that the products we manufacture meet or exceed various electrical, mechanical and physical industry standards. The PFOA reduction effort involves only raw material suppliers, is voluntary, ongoing, and limited to a domestic initiative. It is, therefore, impossible for Harbour Industries, Inc. to certify that the fluoropolymers we use were or were not manufactured using PFOA as a processing aid in their manufacture.

**PFOS (Perfluorooctynyl Sulfonate):** PFOS is an organofluorine surfactant. It was a key ingredient in Scotchgard™, a fabric protector manufactured by the 3M company. It is also a component of fire-fighting foams and is used as a fume suppressant in some metal plating applications. 3M voluntarily began phasing out the use of PFOS in 2000 and completed the effort in 2002. 3M continues to monitor the health of their employees today. At present, all domestic efforts to restrict the use of PFOS are voluntary and the US EPA is still reviewing comments on proposed regulations restricting its use. There are international efforts underway to classify it as a Persistent Organic Pollutant (POP) and to institute a global ban. Harbour Industries does not now nor have they ever had PFOS in any of their products.

**Decabrominated Diphenylether (DecaBDE):** DecaBDE is a flame retardant typically used in polystyrene and polypropylene. As a RoHS compliant company, Harbour Industries certifies that we do not use Polybrominated Diphenylethers (PBDE). DecaBDE is part of all encompassing chemical group of PBDE's. Therefore, by extension, since Harbour does not use PBDE's we also do not use DecaBDE.

**Red Phosphorus:** Red Phosphorus is the base material for some non-halogenated flame retardants used in polyolefins. There have been reports of premature insulation breakdown of materials containing red phosphorus. Harbour Industries is a manufacturer of high performance fluoropolymer insulated wire products. As such, we do not use polyolefins as insulating materials. In addition, fluoropolymers are naturally flame retardant.



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**Bisphenol A (BPA):** BPA is an organic compound used as a building block for many polymers and polymer additives. While there are many polymers that contain BPA it is neither a building block nor a component of fluoropolymers. Again, as a manufacturer of high performance fluoropolymer insulated wire products, BPA will not be found in our products.

**Bis (2-ethylhexylphthalate) (DEHP):** DEHP is an organic compound commonly used as a plasticizer commonly used in polyvinylchloride (PVC). As with BPA, Red Phosphorus, and DecaBDE it is not used in fluoropolymers and consequently not found in Harbour products.

**Restriction of Hazardous Substances (RoHS) – EU Directive 2002/95/EC:**

**Waste Electrical and Electronic Equipment (WEEE) – EU Directive 2002/96/EC:**

**End-of-Life Vehicles (ELV) – EU Directive 2000/53/C:**

**Brominated Flame Retardants (BFR) – EU Directive 2003/11/EC:** The intent of these directives is two-fold. First, to restrict the use of hazardous substances. Second, to determine how electrical and electronic components are to be recycled at the end of their useful life. The common linkage between these directives is the restricting of Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated Biphenyls (PBB's) and Polybrominated Diphenylethers (PBDE's) in all electrical and electronic equipment. Threshold limits for these materials have been established at 1,000ppm with the exception of Cadmium at 100ppm. The products Harbour Industries manufacture's are in compliance the RoHS, WEEE, ELV and BFR directives.

**International Material Data System (IMDS):** IMDS was developed on behalf of various international automobile manufacturers. The purpose is to enable the gathering of environmental relevant information on parts and materials along the automotive supply chain. Harbour Industries(ID #59785) is registered participant in IMDS.

**Defense Federal Acquisition Regulations Supplement (DFARS):** As part of the U.S. Defense and Acquisition Policy, DFARS has been issued under the authority of the Office of the Under Secretary of Defense for Acquisition and Logistics. Section 252.225-7014 of DFARS stipulates the preference for purchasing Speciality Metals exclusively from either domestic sources or "Qualified Countries". Section 252.225-7014 can be contractually imposed on supplier's purchase orders as a condition of sales. Harbour Industries certifies that all conductor materials we supply are consistent with DFARS regulations.

**Société Générale de Surveillance (SGS):** SGS is a Swiss company that provides inspection, testing, verification and certification services. It is a for-profit organization whose main competitors are Bureau Veritas and Cotecna. As an independent organization, they are typically employed to confirm the veracity of products sold in the marketplace. Harbour Industries provides products manufactured to various military and commercial standards/specifications. We are approved as an authorized test facility for MIL-C-17 and M22759 products. In addition, we hold a wide variety UL and CSA approvals. We also certify compliance with any number of European Union hazardous materials directives. Since Harbour Industries manufactures and provides certified test reports in compliance with existing US standards and specifications we do not provide SGS test reports.