



Parker Hannifin Corporation  
**Precision Fluidics Division**  
26 Clinton Drive – Unit 103  
Hollis, NH 03049 USA

Office: 603-595-1500  
Fax: 603-880-7961

Parker Hannifin Corporation  
**Precision Fluidics Division**  
45 Route 46 East, Unit 602  
Pine Brook, NJ 07058 USA

Office: 973-575-4844  
Fax: 973-227-3940

Parker Hannifin Corporation  
**Precision Fluidics Division**  
127 Speedway Drive  
Mooresville, NC 28117 USA

Office: 704-662-3500  
Fax: 704-660-9344

Parker Hannifin Corporation  
**Precision Fluidics Division**  
245 Township Line Road  
Hatfield, PA 19440-0907

Office: 215-723-4000  
Fax: 215-723-2199

## **PARKER HANNIFIN CORPORATION, PRECISION FLUIDICS DIVISION PRODUCT COMPLIANCE REQUIREMENTS**

### **PURPOSE**

The purpose of this document is to communicate compliance requirements to Parker Hannifin Corporation, Precision Fluidics Division suppliers for the purchased parts, components, materials, and products they supply to Precision Fluidics.

### **SCOPE**

- All materials supplied to Precision Fluidics must comply with Sections A through D.
- Unless exemptions are noted and communicated to the Division Engineering Manager at Precision Fluidics, it is assumed materials are compliant with all applicable sections.

#### **A. ROHS / ROHS 2 (Restriction of the use of certain Hazardous Substances) – EU Recast Directive 2011/65/EU**

- Six chemicals/chemical categories must not be present in homogeneous materials above the following limits.
  - Cadmium <100 ppm.
  - Hexavalent Chromium, Mercury, Lead, Poly Brominated Biphenyls (PBB, Poly Brominated Diphenyl Ethers (PBDE) <1,000 ppm.
- (a) Homogeneous materials are materials that cannot be broken down into their component parts (e.g. housing, cable, and connector).
- Please communicate any exemptions taken.

#### **B. REACH (Registration, Evaluation, and Authorization of Chemicals) – EU Directive 2006/1907/EC**

**Most recent ECHA Candidate List SVHCs** For more information visit -  
<https://www.echa.europa.eu/>

Link to Candidate List SVHC: <https://www.echa.europa.eu/-/four-new-substances-of-very-high-concern-added-to-the-candidate-list>

- All Substances in non-articles are or will be pre-Registered or Registered by the Supplier, or their upstream Suppliers, and must be disclosed to Precision Fluidics.
- Concentration of Substances of Very High Concern (SVHC) in article material(s) must be disclosed to Precision Fluidics.

### C. Hazard Communication – OSHA 1910.1200

- Each shipment of non-article material must be accompanied by an OSHA compliant Safety Data Sheet (SDS).
- Each container must have compliant hazard communication labeling in English.
- All Substances in non-article material must be listed in the Toxic Substances Control Act (TSCA) List.
- Suppliers must inform Precision Fluidics of TSCA 12(b) Export Notification Requirements for Substances in non-article material.

### D. Precision Fluidics Restricted Substance Requirements

- The following substances are banned for use in parts, materials, and components delivered to Precision Fluidics.

Short-chain chlorinated paraffin (SCCP)  
Asbestos  
Formaldehyde  
PFOS (Perfluorooctanesulfonates)  
Radioactive Substances  
Specific phthalates (DEHP, DBP, BBP, DIBP)  
Ozone Depleting Substances (ODS/ODC)  
Azo Compounds  
BPA  
Polychlorinated biphenyls (PCB)  
Polychlorinated naphtalenes (PCN)  
Polychlorinated terphenyls (PCT)  
Tributyl Tin (TBT)  
Triphenyl Tin (TPT)  
Beryllium oxide  
Hydrofluorocarbons (HFC), Perfluorocarbon (PFC)  
Specific Benzotriazole (CAS 3846-71-7)

- **Exemptions:** Acceptance of materials on the basis of exemptions will be made on a case-by case basis.

John A Masciola  
Division Head of Engineering  
Parker Precision Fluidics Division  
John.Masciola@Parker.com