



Parker Hannifin
 O-Ring & Engineered Seals Division
 2360 Palumbo Drive
 Lexington, KY 40509

May 6, 2022

Subject: REACH and Stockholm Convention compliance

Part Number/Family Listing: Parker O-Lube & Parker Super-O-Lube
 All rubber and rubber-like O-rings, Custom Molded Products and Extruded Products produced by Parker Hannifin O-Ring & Engineered Seals Division and our global manufacturing partners, except those listed below

Dear Valued Customer,

Parker Hannifin O-Ring & Engineered Seals Division (“Parker”) represents, with limits set forth herein, that the products listed above are compliant with applicable provisions of the regulations known as the REACH Candidate List (EC 1907/2006) published 17 January, 2022 (223 substances), the REACH Authorisation List (Annex XIV) as of 12 April, 2022 (59 substances), and the REACH Restricted List (Annex XVII) updated 9 February, 2022 (71 substances).

The product families identified above in the “Part number/Family listing” require no communication of the presence of Substance of Very High Concern (SVHC) or Dangerous Substances, due to the products not containing more than the reportable threshold concentration (typically 0.1%) of those substances currently on the REACH Candidate SVHCs, Authorized, or Restricted Lists.

Seals made from the following legacy Parker compounds are exceptions to this statement and are not REACH compliant:

CA512-70	CB292-70	N1664-90	N2296-60	NF162-60	NF283-70
NL288-70	V1006-75				

Customers purchasing seals made from these material should contact us for additional information on these products. These products should not be exported to the European Union without the appropriate declarations. In addition, we are actively working to make most of these compounds obsolete.

Perfluorooctanoic Acid (PFOA) and related REACH-regulated chemicals are not used in the production of or intentionally added to any Parker O-Ring & Engineered Seals Division products. However, the presence of these chemicals has been detected in levels that exceed the REACH Annex XVII limit of 25 parts per billion in products that do not use them anywhere in the manufacturing process. It is believed that this detected presence is due to contamination by chemicals already present in the environment due to previous releases. Additional cleaning processes have been implemented at both Parker and our suppliers to reduce the future risk of inadvertent transference.

Because it is impractical to test every lot of existing inventory, finished goods of perfluoroelastomer and highly fluorinated elastomer compounds (listed below) molded prior to July 1, 2020 may contain inadvertent trace presence of PFOA-related chemistries in excess of the REACH requirement without our knowledge. Products made from these materials after July 1, 2020 have been tested to and are compliant with the REACH PFOA requirements of 25 ppb. Customers who specifically require REACH Annex XVII compliance for these specific compounds are advised to purchase newly-manufactured product. Please contact Customer Service for assistance.

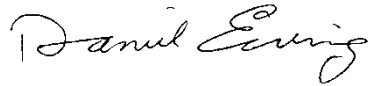
FF102-75	FF156-75	FF196-90	FF200-75	FF202-90	FF302-75
FF350-75	FF352-75	FF354-65	FF370-75	FF376-80	FF400-80
FF500-75	FF580-75	FF582-90	HF355-65	HF357-65	HF359-80
V3819-75	V8545-75	V8581-90			

In addition, all Parker O-Ring & Engineered Seals Division products are compliant with the Stockholm Convention and EU 2019/1021 regulations on persistent organic pollutants (POP), including PFOS/PFOA and their derivatives.

Since conditions of use are outside Parker's control, Parker makes no warranties, expressed or implied, and assumes no liability to any use of this information.

If you have any questions or concerns, please contact our Applications Engineering team at oesmailbox@parker.com.

Sincerely,

A handwritten signature in cursive script that reads "Dan Ewing". The signature is written in black ink and is positioned above the typed name.

Dan Ewing
Principal Engineer
859-269-2351

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