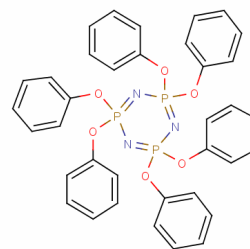


## GC HFR 693

**2,2,4,4,6,6-Hexahydro-2,2,4,4,6,6-hexaphenoxytriazatriphosphorine  
Diphenoxyphosphazene cyclic trimer**



CAS registry number      1184-10-7

GC HFR 693 is a new efficient and environmentally friendly halogen free flame retardant, working with intumescent mechanism.

GC HFR 693 does not release dioxins and it shows good mechanical and electrical properties.

GC HFR 693 can be used in a wide range of thermoplastics and thermosets, especially PC, PC/ABS, Polyesters and epoxy resins.

### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White, crystalline powder
Assay, %	min 99
Volatiles, % (w/w)	≤ 0.5
Melting Point, °C	110-117

### HANDLING AND STORAGE:

The processing and use of GC HFR 693 requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.

GC HFR 693 has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

### PACKAGING:

Standard packaging size of GC HFR 693 is in 25 Kg in plastic bags.

### IMPORTANT NOTE

Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before using these products, please be informed.

Machine stop at high temperature could create degradation of polymers. Please clean with neutral polymers.

### DISCLAIMER:

Information contained in this document is provided to the best of our knowledge and is considered true as per revision date. We do not accept any liability for loss and damage that may occur from the improper use of this information and for the use against the safety legal requirements and patent rights. This specification does not release the customer from the obligation to check the product as to its suitability for intended area of usage.