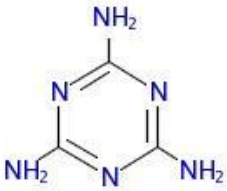
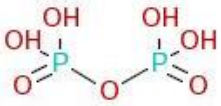
Revision Date: February 2019
Version: 1.2

GC MPR

Melamine Pyrophosphate

Chemical Formula	$C_3H_6N_6 \times H_4O_7P_2$
Molecular Weight	304.1
CAS registry number	15541-60-3





GC MPR is non-halogenated flame retardants for polyurethane foams, polyesters, polyamide, glass fiber modified polyamide, rubber and coating, which is suitable for processing, for example extrusion and injection moulding. GC MPR has good light and thermal stability.

PHYSYCO-CHEMICAL PROPERTIES

Appereance	White powder
Phosphorus Content, % (m/m)	≥ 14
Thermic decomposition, °C	≥ 300
Density 25°C, Kg/l	approx. 1.7
Volatiles % (m/m)	≤ 0.3
pH, (10% suspension, 20°C)	5-6
Particle size D_{50}, µ m	approx. 5

HANDLING AND STORAGE: The processing and use of GC MPR requires adequate technical and professional knowledge. Please consult safety data sheet for further handling, storage and toxicity information.
GC MPR has to be stored in tightly sealed original container in a cool and well-ventilated area, away from direct sunlight.

PACKAGING: Standard pack size of GC MPR is 20 Kg in plastic bags.

Important note

- *Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the products, Please be informed.*
- *Stop machine with high temperature could create degradation of polymers. Please clean with neutral polymers*
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NOTE:
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 improperly 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.

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