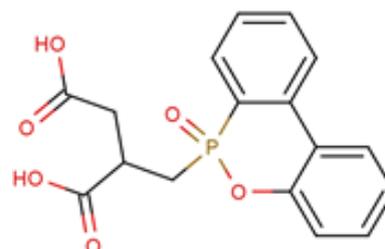


## GC RE DDP

### 2-(6-Oxido-6H-dibenz,c-e, 1,2 oxaphosphorin-6-y) methyl – Butandioic acid

Chemical Formula             $C_{17}H_{15}O_6P$   
Molecular Weight            346.27  
CAS registry number        63562-33-4



GC RE DDP is a halogen-free reactive flame retardant. It belongs to the family of heterocyclic organophosphorus substances.

GC RE DDP has high purity, an indispensable property in chemical synthesis, and does not contain heavy metals. In polymerization, it guarantees excellent flame retardant properties, thermal stability, resistance to hydrolysis and to hygroscopicity and color stability.

GC RE DDP is used in polyesters, polyamides, TPUs and in textile applications.

---

#### PHYSICAL-CHEMICAL PROPERTIES

Appearance	White Powder
Assay, %	min. 98
Melting Point, °C	min 197
Acid Value, (KOH mg/g)	325-335
Bulk Density, g/cm <sup>3</sup>	0.5 ± 0.3
Solubility	DMF, DMSO, Ketons, Organic solvents

---

**HANDLING AND STORAGE:** The processing and use of GC RE DDP requires adequate technical and professional knowledge. Please consult the safety data sheet for further handling, storage and toxicity information.

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

**PACKAGING:** Standard packaging size of GC RE DDP is in 25 Kg bags.

**IMPORTANT NOTE** Some plastic additives, fillers or pigments can influence significantly on flame retardant properties. Before to use the 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 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.