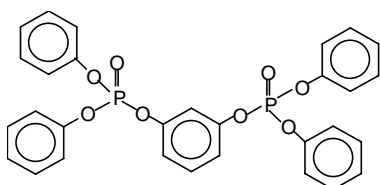




Technical Information

REOFOS[®] RDP Bisphosphate

Reofos RDP is a high molecular weight phosphate ester flame retardant, which can impart superior flammability performance and lower volatility than is obtainable with conventional triaryl phosphates.



CAS No. [57583-54-7]

Typical Properties

Appearance	Clear Liquid
Phosphorus Content, %	10.8
Viscosity Range @ 25 °C, cps	390-790
Specific Gravity	1.31
Acidity, mg KOH/g. Max.	0.12
Phenol Content, ppm	500
TPP Content, % w/w Max.	5
Water Content, % w/w Max.	0.1

Thermogravimetric Analysis (10 mg @ 10 °C/minute under nitrogen)

Weight Loss, %	5	10	50
Temperature, °C	307	337	403

Solubility

Solvent	g/ 100 g Solvent
Water	Insoluble
Methylene Chloride	Complete
Methanol	Complete
Toluene	Complete
Methyl Ethyl Ketone	Complete

Reofos RDP is recommended for use in modified polyphenylene oxide (mPPO), polycarbonate/ABS blends and polyurethane foams. Reofos RDP provides the following performance advantages:

- High phosphorus content
- High molecular weight and low volatility
- Reduced plasticization

The use of proper protective equipment is recommended. Excess exposure to the product should be avoided. Wash thoroughly after handling. Store the product in a cool, dry, well-ventilated area away from incompatible materials. Unless stated, proper storage will permit usage of the product for 6 to 12 months from the date of receipt. For additional handling and toxicological information, consult the GLCC Material Safety Data Sheet.

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