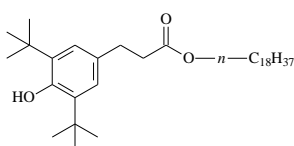


Product Name **RIANOX 1076 Phenolic Antioxidant**

A high molecular weight hindered phenolic antioxidant available in both powder and granule form.

Octadecyl-3-(3', 5'-di-*t*-butyl-4'-hydroxyphenyl) propionate

CAS No.: [2082-79-3]



Typical Properties

Appearance	White power
Bulk density, g/mL	0.45
Molecular Weight	531
Specific Gravity @ 20°C, g/mL	1.07
Melting Range, °C	50-55
Flash point, °C	273

Solubility@20°C (g/100g solvent)

Water	<0.01	Toluene	50	n-Hexane	32
Acetone	19	Chloroform	57	Ethanol	1.5
Ethyl acetate	38	Cyclohexane	40	Benzene	57

Specifications

Appearance:	White powder
Melting Range:	50.0-55.0°C
Volatiles:	≤0.20%
Clarity of solution:	Clear
Transmittance:	
@425nm	≥97.0%
@500nm	≥99.0%
Assay(HPLC):	≥99.0%
Ash:	≤0.10%

RIANOX 1076 effectively reduced oxidative degradation of most polymeric substances during processing and end-use applications. **RIANOX 1076** can be applied in polyolefin such as polyethylene, polypropylene, polybutene as well as in other polymers such as engineering plastics, styrene homo- and copolymers, polyurethanes, elastomers, adhesives, and other organic substrates. **RIANOX 1076** can be used in combination with other additives such as co-stabilizers (e.g. thioesters, phosphites, phosphonites), light stabilizers, and other functional stabilizers.

Handling & Safety

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 24 months from the manufacture date. For additional handling and toxicological information, consult the Rianlon Corporation Safety Data Sheet.