

## ANOX<sup>®</sup> PP18 stabilizer

### Phenolic Antioxidant

#### Description

ANOX<sup>®</sup> PP18 stabilizer is a high molecular weight hindered phenolic antioxidant available in both powder and granular form.

#### Chemical Structure

Octadecyl-3-(3',5'-di-*tert*-butyl-4'-hydroxyphenyl) propionate

#### CAS-Number

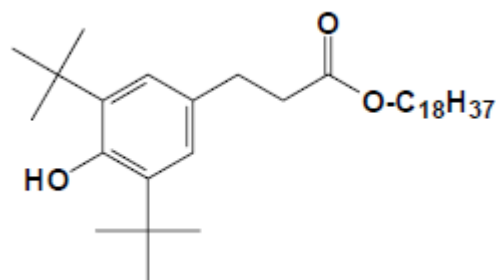
2082-79-3

#### EINECS-Number

218-216-0

#### Formula

ANOX<sup>®</sup> PP18 stabilizer



#### Typical physical properties of ANOX<sup>®</sup> PP18 stabilizer

Appearance	White, free flowing solid
Melting Range, °C	50 – 55
Flash Point, °C	273
Molecular weight [g/mol]	531
Bulk density [kg/m <sup>3</sup> ]	Granular: 500/Powder: 570

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**Solubility (g/100g solvent ) @ 25°C**

n-Hexane	78	Toluene	>100
Ethyl Acetate	>100	Xylene	104
Acetone	69	Methanol	0.4
Chloroform	>100	Mineral oil	10
Water	<0.1		

**Thermogravimetric analysis (10°C/minute under N<sub>2</sub>)**

Weight Loss [%]	5	10	25
Temperature [°C]	260	278	302

**Application**

**ANOX<sup>®</sup> PP18 stabilizer** effectively reduces oxidative degradation of most polymeric substances during processing and end-use applications. **ANOX<sup>®</sup> PP18 stabilizer** is an excellent stabilizer for polyolefins, impact modified styrenics, block co-polymers, elastomers, adhesives, PVC and polyurethanes.

**Food Contact**

This compound has broad food contact approvals. For details please contact Addivant<sup>TM</sup> Regulatory Affairs.

**Handling and Storage**

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 3 years from the date of receipt.

**For additional handling and toxicological information consult the Addivant<sup>TM</sup> Material Safety Data Sheet.**

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