

# ANOX<sup>™</sup> 20 stabilizer

### **Phenolic Antioxidant**



## Description

**ANOX**<sup>TM</sup> **20 stabilizer** is a high molecular weight hindered phenolic antioxidant that provides very low volatility and excellent resistance to extraction from polymer compounds.

### **Chemical Structure**

Tetrakismethylene (3,5-di-t-butyl-4-hydroxyhydrocinnamate) methane

### **CAS Number**

6683-19-8

**EINECS-Number** 

229-722-6

**Formula** 

ANOX<sup>™</sup> 20 stabilizer

## Typical Physical Properties of ANOX™ 20 stabilizer

Appearance	White, free-flowing solid	
Bulk density [kg/m³]	Powder 650 / Granular 570	
Molecular weight	1178	
Melting range °C	110 – 125	
Flash point °C	299	

## Thermogravimetric Analysis (10 mg @ 10°C/minute under N<sub>2</sub>)

Weight Loss, %	5	10	25	
Temperature, °C	350	365	387	

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## Solubility @ 25°C (g/100g solvent)

Water	<0.1	Acetone	75
Benzene	>100	Chloroform	>100
Methanol	<0.1	<i>n</i> -Hexane	<0.1
Ethyl Acetate	66	Toluene	50

### Application

**ANOX**<sup>™</sup> **20 stabilizer** is particularly effective against polymer degradation during long-term aging. It is also very effective as a process stabilizer. **ANOX**<sup>™</sup> **20 stabilizer** exhibits good resistance to discoloration at the high temperatures that are encountered in thermoplastic polymer processing.

#### **Food Contact**

For details please contact SI Group Regulatory Affairs.

## Storage and Handling

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 5 years from the date of receipt.

For additional handling and toxicological information, consult the SI Group Material Safety Data Sheet.