

# 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<sup>™</sup> 20 stabilizer

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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 @ $10^{\circ}$ C/minute under $N_2$ )

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>TM</sup> **20 stabilizer** is particularly effective against polymer degradation during long-term aging. It is also very effective as a process stabilizer. **ANOX**<sup>TM</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.