

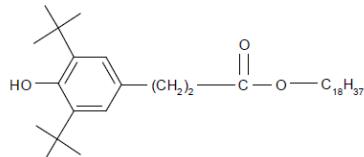
# SUNOX®1076 Antioxidant

## INTRODUCTION

**CAS Number:** 2082-79-3

**Chemical Name:** Octadecyl[3-(3,5-di-tert-butyl-4-hydroxy phenyl) propionate

**Structure:**



SUNOX®1076 is a sterically hindered phenolic antioxidant, is highly efficient, nondiscoloring stabilizer for organic substrates such as plastics, synthetic fibers, elastomers, adhesives, waxes, oils and fats. It protects these substrates against thermo-oxidative degradation.

## PERFORMANCE BENEFITS

SUNOX®1076 is characterized by:

- Easily incorporated by melting techniques due to its low melting point
- Excellent resistance to extraction
- Improvement of long-term stability
- Low volatility
- Ease of compatibility with other stabilizers

## SUGGESTED APPLICATIONS

SUNOX®1076 can be applied in polyolefins such as polyethylene, polypropylene, polybutene as well as in other polymers such as engineering plastics, styrene and copolymers, polyurethanes, elastomers, adhesives, and other organic substrates. Normal dosage is 0.1%-0.5%.

## HEALTH AND SAFETY

Direct contact with this material may cause mild eye, skin and respiratory system irritation.

## TYPICAL PROPERTIES

TYPICAL PROPERTIES	VALUE
Color	White to Offwhite
Appearance	Powder
Assay	≥98%
Melting Point	50-55°C
Ash Content	≤ 0.1%
Volatile Content	≤ 0.2%
Transmittance	425nm ≥97%, 500nm ≥98%
TGA(10%)	317°C

SOLUBILITY (20°C)	g/100 g solution
Water	< 0.01
Acetone	26
Benzene	57
Chloroform	57
Ethanol	1.5
n-Hexane	31
Methanol	0.6

## STORAGE AND HANDLING

This product can be stored up to 2 years in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

Please refer to the SUNSHOW Material Safety Data Sheet for additional information on the handling of substance.

### Shipping Container:

25kg carton box (inner with plastic bag) or according to customer's request