

# LOWILITE™ 28 UV absorber

# **Ultraviolet Light Absorber**



### Description

**LOWILITE™ 28 UV absorber** is an ultraviolet light absorber belonging to the benzotriazole class of UVAs

#### **Chemical Name**

2-(2'-Hydroxy-3',5'-di-t-amylphenyl)benzotriazole

### CAS Reg. Number

25973-55-1

#### **EINECS Number**

247-384-8

#### **Formula**

LOWILITE™ 28 UV absorber

# Typical physical properties of LOWILITE™ 28 UV absorber

Appearance	Off-white powder	
Bulk density (kg/m³)	260	
Molecular weight [g/mol]	351	
Specific Gravity @ 25°C	1.17	
Melting range, °C	80	
Flash point, °C	230	

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

Weight Loss [%]	5	10	25
Temperature [°C]	197	210	247

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

Xylene	44	Mineral Spirits	14
<i>n</i> -Hexane	30	Acetone	13
Chloroform	90	Styrene	70
Methanol	0.5	Toluene	78
n-Butyl acetate	28	Methyl Ethyl Ketone	24
Water	<0.1	Ethyl Acetate	28

### **Applications**

**LOWILITE™ 28 UV absorber** is a strong ultraviolet light absorber in the 290-400nm region. It provides effective light stabilization and prevents the yellowing and degradation of polymers such as polyolefins, PVC, unsaturated polyester, acrylics, ABS, thermoplastic urethanes, moisture cured polyurethanes, two component epoxies and urethanes, oil alkyds and thermosetting acrylic enamels.

### **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 otherwise stated, the shelf life of the product is 3 years when it is properly stored.

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