

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

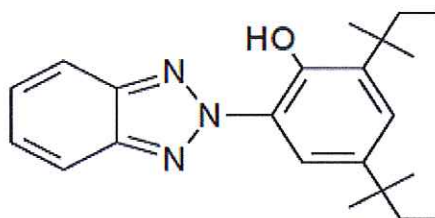
25973-55-1

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/m ³)	260
Molecular weight [g/mol]	351
Specific Gravity @ 25°C	1.17
Melting range, °C	80
Flash point, °C	230

Thermogravimetric Analysis (10 mg @ 10°C/minute under N₂)

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
<i>n</i> -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.