

LOWILITE™ 55 UV absorber

Ultraviolet Light Absorber

Contact
AKROCHEM
 CORPORATION
 (330) 535-2100 (800) 321-2260
 Fax (330) 535-8947
 info@akrochem.com / www.akrochem.com

Description

LOWILITE™ 55 UV absorber is an ultraviolet light absorber belonging to the benzotriazole class of UVAs

Chemical Name

2-(2'-Hydroxy-5'-methylphenyl)benzotriazole

CAS Reg. Number

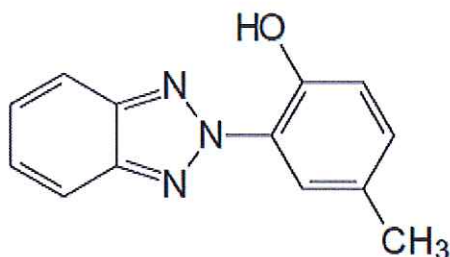
2440-22-4

EINECS Number

219-470-5

Formula

LOWILITE™ 55 UV absorber



Typical physical properties of LOWILITE™ 55 UV absorber

Appearance	Crystal Powder
Bulk density (kg/m ³)	0.65-0.95g/mL (650 – 950kg/m ³)
Molecular weight [g/mol]	225
Melting range, °C	128-132
Flash point, °C	205

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

Weight Loss [%]	5	10	25
Temperature [°C]	163	178	197

Solubility

(g/100g solvent) @ 25°C

Acetone	3.5	Styrene	7.2
Diocetyl phthalate	2.5	Toluene	9
Ethanol	0.3	Methyl cellosolve	1.7
<i>n</i> -Hexane	0.8	Chloroform	17
Water	<0.1	Mineral Spirits	1.5
Ethyl Acetate	4.5		

Applications

LOWILITE™ 55 UV absorber offers ultraviolet light protection to a wide range of polymers. It is a strong absorber of ultraviolet radiation and has a high degree of photostability. Photochemical energy absorbed in the ultraviolet region is dissipated as thermal energy. High absorptivity combined with photostability and the ability to release absorbed energy make **LOWILITE™ 55 UV absorber** an excellent stabilizer against the detrimental effects of ultraviolet light.

Regulatory Status

For details please contact SI Group Regulatory Affairs.

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 stated otherwise, the shelf life of the product is 12 months when it is properly stored.

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