

LOWILITE™ 20 UV absorber

Ultraviolet Light Absorber

Description

LOWILITE™ 20 UV absorber is an ultraviolet light absorber belonging to the benzophenone class of UVAs.

Chemical Name

2-Hydroxy-4-methoxybenzophenone (Benzophenone 3)

CAS-Nr.

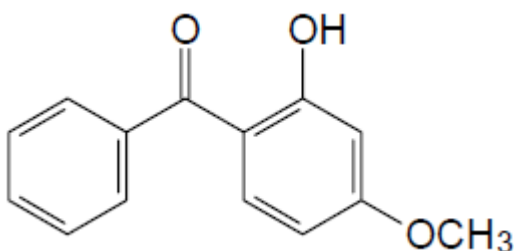
131-57-7

EINECS-Nr.

205-031-5

Formula

LOWILITE™ 20 UV absorber



Typical physical properties of LOWILITE™ 20 UV absorber

Appearance	Pale yellow crystalline powder
Molecular weight	228
Melting Point, °C	62-65
Gardner Color	≤8
Bulk density [kg/m ³]	650
Specific Gravity (g/cc @ 25°C)	1.339

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

Weight Loss [%]	5	10	25
Temperature [°C]	220	229	255

Solubility @ 20°C (g/100 ml solvent)

Methanol	5	Toluene	50
Ethanol	5	Chlorobenzene	50
Isopropanol	2	Chloroform	120
Acetone	50	Tetrachloroethane	110
Ethyl Acetate	60	Methylene Chloride	20
Water	<0.1		

Application

LOWILITE™ 20 UV absorber is effective in polyesters, polystyrene, polyvinyl chloride, and methacrylate polymers. Specific applications include rigid and plasticized PVC (roofing, hoses), acrylic copolymers (sheet for windows, paneling), and acrylic copolymers, varnishes and adhesives. **LOWILITE™ 20 UV absorber** is used in coatings, including clear varnishes, lacquers, linseed oil based alkyds and phenolics, and oil based cosmetics, sunscreen for skin and high protection suntan oils and creams (FDA approved)

Food Contact

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 3 years when it is properly stored.

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