

TinSorb™ BMBM UV Filter

INCI: Butyl Methoxydibenzoylmethane



Introduction TinSorbrwBMBM UV Filter is a broad spectrum UV absorber, effectively absorbing bothUVA and UVB.

Chemical Name 4-T-BUTYL-4-METHOXY-DIBENZOYLMETHANE

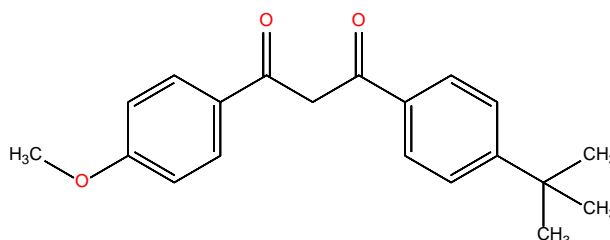
INCI Name Butyl Methoxydibenzoylmethane

USAN Name Avobenzone

CAS Number 70356-09-1

EINECS Number 274-581-6

Chemical Structure



Chemical Formula C₂₀H₂₂O₃

Molecular Weight 310.5

Physical Properties

Appearance	Light Yellow To White Crystalline Powder
Absorptivities At 360nm(%)	Max.3.00
Volatiles(%)	Min.0.5
Melting Range(°C)	81.00-86.00
Individual Impurities(%)	Max.3.00
Total Impurities(%)	Max.4.50
Specific Extinction	1150-1180
Arsenic(ppm)	Max.2.00
Heavy Metals(ppm)	Max.20.0

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Solubility

Solubility	% w/w
Isopropyl myristate	6
Ethanol (96%)	2
Isopropyl adipate	14
Mineral oil	1
Glycerine	0.1

Benefits & Applications

TinSorb™ BMBM is suggested to be used in sunscreen products and formulation of protective hair-care, medicated Skin-Care and also to quench phototoxic skin reactions initiated by weak phototoxic materials.

TinSorb™ BMBM is incompatible with formaldehyde, formaldehyde donor preservatives and heavy metals (Pink-Orange Color with Iron), formulation with PABA and its esters develop a yellow color. It can form complexes with aluminum above PH.7.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to one year 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.

For more detailed information please refer to the material safety data sheet.

Packing

TinSorb™ BMBM is supplied in 25kg carton box.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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