

PRODUCT DATA SHEET

Trade Name: ShieldBiso™ AVB

INCI Name: Butyl Methoxydibenzoylmethane

CAS: 70356-09-1

Description

Avobenzone is dibenzoyl methane derivative. It is oil soluble ingredient. Avobenzone has the ability to absorb ultraviolet light over wider range of wavelengths. It is included in many commercially available sunscreens which are used as wide spectrum sunscreens. Avobenzone is very sensitive to light, to increase its stability and duration of action, photostabilizers are added in the sunscreen product. Avobenzone has an absorption maximum of 357 nm. Sunscreens containing avobenzone is indicated for providing protection from the sun. In addition to limiting the skin's exposure to the sun, using sunscreen agents may help reduce long-term sun damage such as premature aging of the skin and skin cancer.

Quality Parameters

Appearance	White to pale yellow powder
Assay %	95.0 - 105.0
Loss on drying %	0.5 max
Identification	corresponds
Melting point °C	81.0 - 86.0
UV specific extinction (E 1%, 1 cm at 357 nm)	1100 - 1180
Chromatographic purity	meets USP requirements

Storing

Store in a dry and cool place, sealed and valid for 2 years.

Package

25kg / drum