

TinSorb™ PBSA UV Filter

INCI: Phenylbenzimidazole Sulfonic Acid



Introduction

TinSorb™ PBSA UV Filter is a highly water-soluble UVB sunscreen that also absorbs a small fraction of UVA wavelengths. When used in combination with other sunscreens, a small amount of active ingredients can increase SPF.

Chemical Name

2-phenyl-1H-benzimidazole-5-sulphonic acid

INCI Name

Phenylbenzimidazole Sulfonic Acid

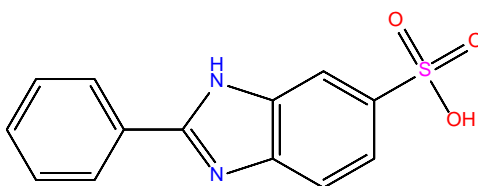
CAS Number

27503-81-7

EINECS Number

248-502-0

Chemical Structure



Chemical Formula

C₁₃H₁₀N₂O₃S

Molecular Weight

274.30

Physical Properties

Appearance	White to off-white powder
Specific Absorption: (1%, 1cm at 302nm)	920-990
Loss on Drying (%):	Max. 2.0
Assay (%):	98.0-102.0

Benefits & Applications

TinSorb™ PBSA has good light stability, be used after neutralization.

TinSorb™ PBSA is suitable for the configuration of transparent water-based sunscreen gel.

TinSorb™ PBSA can be used for anti-moisture and anti-sweat sunscreen

TinSorb™ PBSA UV Filter TDS version 7.1W	©Tintoll Performance Materials Co., Ltd.
1 / 2	www.tintoll.com

TinSorb™ PBSA UV Filter

INCI: Phenylbenzimidazole Sulfonic Acid



formula.

TinSorb™ PBSA is specifically recommended for light-feel day care products and sunscreens, because it leaves the skin feeling dry to the touch.

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 two years 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™ PBSA is supplied in 25kg pail.

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.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

We disclaim liability for any incidental or consequential damages.

TinSorb™ PBSA UV Filter TDS version 7.1W	©Tintoll Performance Materials Co., Ltd.
2 / 2	www.tintoll.com