

iSUN HS

INCI Name (US): Phenyl Benzimidazole Sulfonic Acid

INCI Name (EU): Phenyl Benzimidazole Sulfonic Acid

CAS #: 27503-81-7

General Information/Characteristics: UV besides causing sunburn, it is a major cause of premature skin aging and contributes to the development of melanoma and other forms of skin cancer.

iSun HS is applied to the skin and its function is to absorb UV rays, preventing burns and other damage caused by UV rays. It is used as UV-A & UV-B absorber in Sunscreen Lotion and other Cosmetics formulations.

Benefits / Application: Water Soluble UV-B Filter used extensively in sun care and cosmetics preparations. Find applications in Hair care segment and aqueous hair gels.

Due to its water-solubility it is perfect for sun care without oil, thus helping to develop sun care or skin care with UV protection with light skin feeling.

iSun HS have synergetic effect on SPF in combination with other oil soluble sunscreens.

Formulations Advices:
 US: up to 4%
 Europe: up to 8%
 Japan: up to 3%
 China: up to 8%
 Canada: up to 8%

Regulatory Status: No specific regulation

Physico-Chemical Properties:	Aspect	Crystalline Powder
	Color	White to Off-white
	Loss on drying	Max. 2.0 %
	Assay (% w/w)	98 - 102
	UV Specific Extinctions	920 -1000
	E ₁ cm ¹ % (at 302nm)	

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Shelf Life / Storage Conditions

24 months if storage conditions. Store away from incompatible substances.

Incompatibility: Oxidizers (Strong). Fire and explosion hazard, protect from light.

Packaging:

20 Kg packed in corrugated box with double LDPE liner inside

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