

Product Information



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Product number: 103089
Product name: Neo Heliopan® Hydro

Product Description

Type : Water soluble UV-B absorber

INCI Names : Global INCI Name : Phenylbenzimidazole Sulfonic Acid
EU INCI Name : Phenylbenzimidazole Sulfonic Acid

CAS Number : 27503-81-7

Molecular weight : 274,3 g/mol

Molecular formula : C13-H10-N2-O3-S

Product Characteristics

Organoleptic Properties

Code	Parameter	Unit	Lower Limit	Upper Limit
0223	Top note		NEUTRAL, COMPARABLE TO STANDARD	
0864	Color Visual evaluation in sample vial		white to light beige	
0864	Appearance/condition Visual evaluation in sample vial		powder	

Chemical-Physical Properties

Code	Parameter	Unit	Lower Limit	Upper Limit
0680	Assay (Pharmacopoeia) Assay (USP/NF) Neo Helipan (MG=274,3)	%	98	102
0814	Loss on drying (Pharmacopoeia) Pharmacopeia USP	%		2
0829	UV/VIS spectrum Identity USP/NF		passed test	
0043	Extinction (E1%,1cm) UV in 4 ml NaOH 1n + 96 ml dist H2O cuvette 1.0 cm		920,000	990,000
0253	IR spectrum IR identity USP/NF Diamond ATR-Unit with planar Press Tip		passed test	

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Microbiological Properties

Due to the composition of the product no microbiological control will be carried out prior to shipping.

Applications and Recommended Use Levels

Applications

Sunscreen products daily care products

Inventories and Registrations

List and Country	Status	Number
EINECS EU	listed	248-502-0
TSCA USA	listed	
DSL Canada	listed	
AICS Australia	listed	
PICCS Philippines	listed	
Custom Tariff		29339980900

Cosmetic Regulation

Country / Region	Status		Application
EU	approved	max. 8,00 %	
USA	not approved		
Australia	not approved		
Canada	not approved		
Japan	approved	max. 3,00 %	rinse-off products
	approved	max. 3,00 %	leave-on products
	not approved		applied to mucous membranes
Brazil	approved	max. 8,00 %	
South Africa	approved	max. 8,00 %	
South Korea	approved	max. 4,00 %	
ASEAN	approved	max. 8,00 %	
China	approved	max. 8,00 %	
Taiwan	approved	max. 4,00 %	

Preservatives and Antioxidants

None

Shelf life and Storage conditions

In the original, unopened container, dry, 5 to 40°C storage: 36 months

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Standard Packaging

Cardboard box

Additional Information

Formulations containing Neo Heliopan® Hydro should be buffered at a pH between 7.2 and 7.5. At pH's below 7 crystallisation could result.

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