

Technical Data Sheet

Sunsafe[®] DPDT

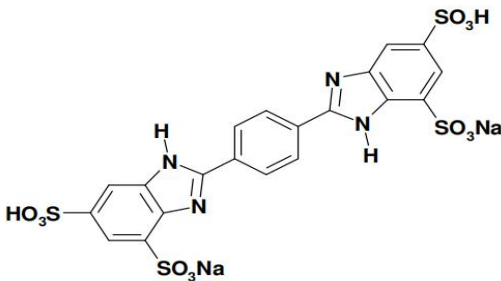
Product Code: 22003

INCI name: Disodium Phenyl Dibenzimidazole Tetrasulfonate

CAS no. : 180898-37-7

Molecular weight (g/mol): 674.59

Molecular Formula: C₂₀H₁₂N₄Na₂O₁₂S₄



General Information:

Sunsafe[®] DPDT is a stable and efficient UVA sunscreen agent. It exhibits a maximum absorption peak at 335nm when the pH is 7. It has high safety and excellent stability, and it is compatible with other sunscreen agents. It is suitable for transparent water-based products.

Specification:

Test property	Specification
Color:	Yellow or dark yellow
Appearance:	Powder
Loss on drying %:	3.0 max
Purity %:	96.0 min
Extinction(E1%,1cm):	770.0 min

Applications:

- Sunscreen series product
- Make-up series product
- Whitening series product

Uses:

The concentration recommended is 1-10% (the concentration approved is up to 10%).

Sunsafe® DPDT is insoluble in water, but the salts it forms are soluble in water. It is more suitable to first configure it into a salt solution and then add the solution to the system.

Package and Storage:

Package: 20kg/drum

Shelf life: 24 months

Storage conditions: Store the container tightly closed in a dry, cool and well-ventilated place.

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