

Benzophenone-4

INCI Name: Sulisobenzone

CAS Numbers: 4065-45-6

Description:

A photo stabilizer and sunscreen agent used for its ability to absorb UV rays. It helps prevent the integrity of other cosmetic ingredients from deteriorating under the sun. Though it covers UVB and short UVA (UVA-2) range rays, it's an inadequate sunscreen agent when used alone. For this reason, it is often used in conjunction with other sun protecting ingredients.



Technical Data:

Appearance:	White to Light Yellow Powder
K-Value @ 285 nm	46-52
Color, Gardner (10% aq. Sol.)	4.0 Max
Assay (%)	97-103
pH (1% aq. Sol):	1.2 - 2.2
MELT POINT (deg C.):	140 MIN
LOSS ON DRYING (%):	3.0 MAX
HEAVY METALS (ppm)	5.0 MAX
SOLUBILITY (10% aq.)	Clear

Applications:

Used to enhance UV A/B efficacy where a water soluble active is required. Helps stabilize UV sensitive formulations such as hair dyes, hair sprays, facial toning lotions, nail polish, etc.



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Applications:

- ◆ Carrier of other ingredients into deeper tissues.
- ◆ Anti-aging formulas
- ◆ Treatment Oil
- ◆ Universal emollient
- ◆ Intensive hair conditioner
- ◆ Lip products
- ◆ After sun products
- ◆ Damaged skin products



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