

Benzophenone-4

Water-soluble sulfonated UV absorber for selected personal-care and aqueous formulation protection.

CAS No. 4065-45-6	EC / List No. 223-772-2	Transport Non-dangerous goods
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Product Information

Water-soluble sulfonated UV absorber for selected personal-care and aqueous formulation protection.

Specifications

Parameter	Specification
Appearance	Off-white to light-yellow crystalline powder
Purity by HPLC	≥99.0 %
Specific extinction E285	460–490
Specific extinction E325	285–315
pH	1.2–2.2
Loss on drying	≤3.0 %
Turbidity in water	≤4.0 EBC
Heavy metals	≤5 ppm
Gardner colour	≤2.0

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	C ₁₄ H ₁₂ O ₆ S
Formula weight	308.31 g/mol

Applications

Aqueous formulation protection: UV absorber for selected water-based personal-care systems.

Bath and hair-care formulations: Ingredient for qualified bath and hair-care development.

Permitted UV-filter systems: Water-phase ingredient where permitted for the destination market.

Packaging / Storage

Item	Information
Packing	25 kg drums
Storage	Keep tightly sealed in a cool, dry place protected from moisture and light. Restrict access and avoid contamination.
Handling	Use ventilation, suitable gloves and eye protection. Follow the matched SDS.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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