

Oxybenzone

Specification Sheet

Description: Solid oil soluble UVA/UVB sunscreen. Aromatic ketone (synonyms: 2-hydroxy-4-methoxy-benzophenone, benzophenone-3). Pale yellow crystalline powder, weak rose-like odor. Water-insoluble, soluble in alcohol & oil.

CAS: 131-57-7

INCI Name: Benzophenone-3

Composition: Benzophenone-3

Purity Grade: No purity grade applicable

Appearance: Pale yellow crystalline powder, weak rose-like odor

Benefits:

- UVA and UVB filter (primarily UVB but also UVA)
- Enhances activity of other sunscreens (e.g. homosalate, octyl salicylate, OM-cinnamate, octinoxate)
- Protects polymers and organic substances in cosmetic products
- Stabilizes complex formulations and color cosmetics

Use: Incorporate into oil phase. Allowed use levels in the USA: up to 6% alone and 2-6% when used in combination with other sunscreen actives. Allowed levels in other countries: EU 10%, Japan 5%. For external use only.

Applications: Sun care products (incl. baby sun care), color cosmetics with sun protection, various cosmetics & fragrances for product protection.

Solubility: Water-insoluble, soluble in alcohol & oil

Preservation: Preservative-free

Storage: Store light-protected at a cool and dry place

Country of Origin: USA

Raw material source: Benzoyl chloride and 3-hydroxyanisole

Manufacture: Oxybenzone is produced synthetically by the reaction of benzoyl chloride with 3-hydroxyanisole. The product is then recrystallized from water/methanol and dried.

Animal Testing: Not animal tested

GMO: GMO-free (does not contain plant-derived components)

Vegan: Does not contain animal-derived components

Shipping Information: International shipping is prohibited.

HS Code: 3304100000