

## Oxybenzone

### FACT SHEET

**Description:** 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.

**Properties:** Potent UVA & UVB absorber (primarily UVB but also UVA), protects from sun-induced skin aging (UVA), enhances UVB protection of other sun-screens (e.g. homosalate, octyl salicylate, OM-cinnamate, octinoxate), protects polymers & organic substances in cosmetic products, stabilizes complex formulations & color cosmetics.

**Use:** Incorporate into oil phase, 1.5 SPF per 1%, allowed use levels: USA 2-6 %, EU 10%, Japan 5%.

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