



Technical Data Sheet

Benzophenone-3 (UV-9)

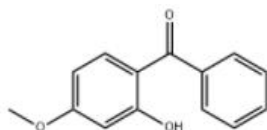
Product Name: Benzophenone-3

CAS No: 131-57-7

MW: 228.24

MF: C₁₄H₁₂O₃

Structure :



Properties: It is light yellow or white crystalline powder, also known as sunscreen No. 2, BP-3, suitable for polyvinyl chloride, polyvinylidene chloride, polymethyl methacrylate, unsaturated polyester, ChemicalbookABS resin and cellulose resin and other plastics, the maximum absorption wavelength range is 280-340 nm, the general dosage is 0.1-1.5%, Good thermal stability

Specification:

Test Item	Test Specification
Appearance	Pale yellow crystalline powder
Melting Point	62~65°C
Loss on drying	≤ 0.5%
UV absorption coefficient	E285 : ≥610 E325 : ≥400
Gardner Color	≤ 4.0
Heavy Metals	≤ 5ppm
Residue on ignition	≤ 0.1%
Purity	≥ 99.0%
Test Item	Test Specification

Functions:

It is a broad spectrum ultraviolet absorber, with high absorption rate, non-toxic, non-teratogenic effect, good light, thermal stability and other advantages, it can absorb UV-A and UV-B, is the United States FDA approved Chemicalbook class I sunscreen agent, in the United States and Europe high frequency of use, widely used in sunscreen cream, cream, honey, lotion, oil and other sunscreen cosmetics It can also be used as an anti-discoloration agent for products that are discolored by photosensitivity.

Packing: Net weight 25kg/ drum

Shelf life: 2 year

Storage and transportation: this product should be stored in a cool and dry environment.