

TinSorb™ 1620 UV Filter

INCI: Benzophenone-2



Introduction

TinSorb™1620 UV Filter is water-insoluble, dissolved in methanol and ethanol, capable of absorbing the UV radiation of 320-400nm wavelength with the characteristics of light color, nontoxic, good compatibility.

Chemical Name

2,2',4,4'-Tetrahydroxybenzophenone

INCI Name

Benzophenone-2

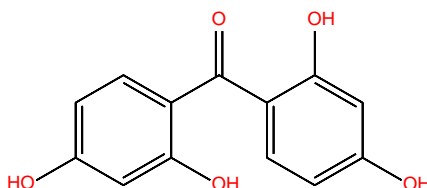
CAS Number

131-55-5

EINECS Number

205-028-9

Chemical Structure



Chemical Formula

C₁₃H₁₀O₅

Molecular Weight

246

Physical Properties

Appearance	Yellow crystalline powder
Loss on Drying (%)	Max.0.5
Melting Point (°C)	Min.195.0
Turbidity (NTU)	Max.12
Gardner Color	Max.3.0
Specific Extinction 345nm (%)	Min.580
Purity (HPLC)	Min.99.0

Solubility

Soluble in oils, aqueous/alcoholic solution

Benefits & Applications

TinSorb™ 1620 belongs to the family of substituted benzophenone which protect against ultraviolet radiation. It is also a chemical sunscreen that is allowed in the European Union.

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TinSorb™ 1620 has high absorption both in UV-A and UV-B regions, hence has been widely used as UV filter in cosmetic and specialty chemical industries.

Handling & Storage

In accordance with good industrial practice, handle with care and avoid unnecessary personal contact. Avoid continuous or repetitive breathing of dust. Use only with adequate ventilation. Protect skin. Avoid dust formation and ignition sources.

This product may be stored up to four year in a sealed container. Containers should be stored in a cool, dry area. Extended storage at elevated temperatures or exposure to direct heat or sunlight could reduce product life. Keep containers sealed when not in use.

For more detailed information please refer to the material safety data sheet.

Packing

TinSorb™ 1620 is supplied in 25kg carton box.

Note

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability.

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