TinSorb™ OCR UV Filter

INCI: Octocrylene

Introduction

TinSorb™ OCR UV Filter is an ingredient used in sunscreens for its ability to absorb UV rays, protecting the skin from sun damage.
TinSorb™ OCR UV Filter is a thick colorless ingredient, and it is very chemically stable.

Chemical Name

2-Ethylhexyl 2-cyano-3,3-diphenyl-2-acrylate

INCI Name

Octocrylene

USAN Name

Octocrylene

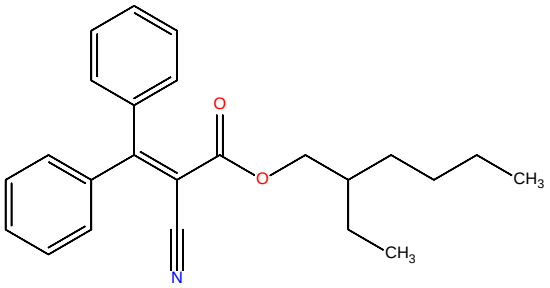
CAS Number

6197-30-4

EINECS Number

228-250-8

Chemical Structure



Chemical Formula

$C_{24}H_{27}NO_2$

Molecular Weight

361.48

Physical Properties

Appearance	Clear yellow viscous liquid
Assay (GC)	95.0%-105.0%
Specific Gravity (At 25°C)	1.045-1.055
Refractive Index (At 20°C)	1.045-1.055
Acidity (0.1mol/L Naoh)	Max.0.18ml
Specific Extinction (E1%, 1cm At 357nm)	340-370

Gardner Color (10% In Toluene)	Methanol: Max.3000ppm
Purity (GC)	Min.98.0%
Total Impurities	Max.2.0%
Individual Impurity	Max.0.5%

Benefits & Applications

One big advantage of TinSorb™ OCR is its insensitivity to metal ions and effectiveness over a wide range of PH values.

TinSorb™ OCR is typically used level in combination with other sunscreen actives: 7.0 - 10.0%.

TinSorb™ OCR is approved to use level: up to 10.0% (E.U.); up to 10.0%.

TinSorb™ OCR is suitable for UVB absorber for high-SPF formulas and enhance performance of water-resistant formulas.

TinSorb™ OCR has photostable UVB filter with good solvent properties.

TinSorb™ OCR can be used for efficient stabilizer for photo-unstable filters.

TinSorb™ OCR can be used as an additive to cosmetics to preserve any natural chemical degradation that can occur when skincare products are exposed to sunlight for prolonged periods.

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 two years 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™ OCR is supplied in 25Kg pail, 200Kg steel drum or 1000Kg IBC container.

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.

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