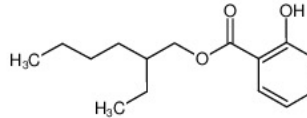


OCTISALATE

Product Name: Octisalate
Product Code: MFSORB 503
Production Site: MFCI (Huanggang) Co., Ltd

Properties

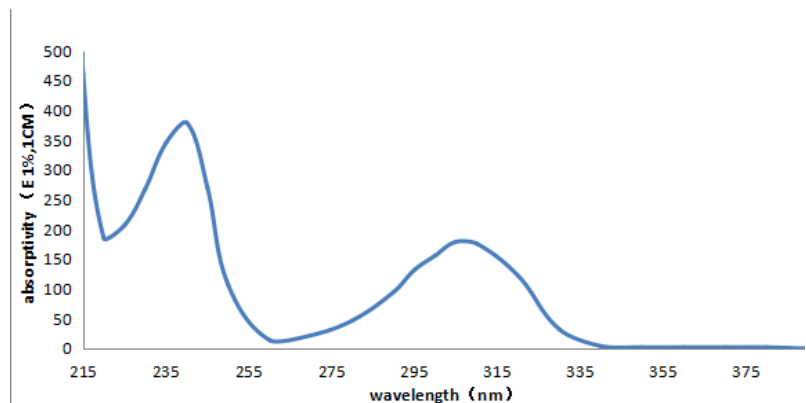
Structure:



Chemical Name: 2-Ethylhexyl Salicylate
INCI Name: ETHYLHEXYL SALICYLATE
Other names: Octyl salicylate
CAS No.: 118-60-5
EINECS No.: 204-263-4
Chemical Formula: C₁₅H₂₂O₃
Molecular Weight: 250.33

UV Characteristics

UV Characteristics:



Physical Property

Appearance: Clear, colorless to slightly yellowish liquid.

Identification: (USP) A. Infrared Absorption <197F>.
B. The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation, as obtained in the Assay.

Assay (GC):	(USP)	95.0%~105.0%
Purity (GC):		98.0% min
Specific Gravity (at 25°C):	(USP)	1.011-1.016
Refractive Index (at 20°C):	(USP)	1.500-1.503
Acidity (0.1mol/L NaOH):	(USP)	0.2ml max
Acid value (mg KOH/g):		1 max
UV specific extinction: (E%, 1cm at 305nm in ethanol)		165 min
Saponification Value: (mg KOH/gm)		200.0-230.0

Chromatographic Purity (GC)

Individual Impurity:	(USP)	0.5% max
Total Impurities:	(USP)	2.0% max

2-Ethylhexanol (GC):		200 ppm max
Methyl paraben (HPLC):		10 ppm max

Application

Octisalate (OS) is commonly incorporated into sunscreens for its antibacterial abilities and helps prevents product from turning rancid.

It is an oil soluble and water Insoluble UV B absorber which is being used for a long time, even before PABA and provides effective protection in the range of 290-315 nm. Salicylates are weak UV B absorber and generally used in combination with other UVs to boost the SPF. OS uses as an inhibitor against UV degradation of emulsions, polymer and dyestuff. OS is ideal for use in sun care and skin care products for daily protection. OS is an exceptional addition to protective hair-care and lip-care products.

Packaging

25kgs/drum, 200kgs/drum, 1000kgs/drum

Storage

Preserve in tight containers. The shelf life of Octisalate is two years in original, unopened containers.

HS Code

2918230000

NOTE

The data submitted in this publication are based on our current knowledge and experience. They do not constitute a guarantee in the legal sense of the term and, in view of the manifold factors that may affect processing and application, do not relieve those to whom we supply our products from the responsibility of carrying out their own tests and experiments. Any relevant patent rights and existing legislation and regulations must be observed.