

## PRODUCT DATA SHEET

**Trade Name:** ShieldBiso™ OCR

**INCI Name:** Octocrylene

**CAS:** 6197-30-4

### Description

Octocrylene is an organic compound used as an ingredient in sunscreens and cosmetics. It is an ester formed by the condensation of 2-ethylhexyl cyanoacetate with benzophenone. It is a viscous, oily liquid that is clear and colorless. The extended conjugation of the acrylate portion of the molecule absorbs UVB and short-wave UVA (ultraviolet) rays with wavelengths from 280 to 320 nm, protecting the skin from direct DNA damage. The ethylhexanol portion is a fatty alcohol, adding emollient and oil-like (water resistant) properties.

### Quality Parameters

Appearance	Yellow clear viscous liquid with weak odor
Assay %	95.0 - 105.0
Identification (UV)	UV-Spectrum Conforms
Spec. absorbance (at 303 nm; 1%; 1cm; methanol)	345 - 365
Specific gravity	1.045 - 1.055
Refractive index	1.561 - 1.571
Acidity (ml/g)	0.18 max
Chromatographic purity (ind.) %	0.5 max
Chromatographic purity (total.) %	2.0 max
Cyclohexane (ppm)	3880 max
Other residual solvents (Ph. Eur/USP/ICH)	Excluded by production process



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### **Storing**

Store in a dry and cool place, sealed and valid for 2 years.

### **Package**

25kg or 200kg / drum