

## PRODUCT DATA SHEET

**Trade Name:** ShieldBiso™ HMS

**INCI Name:** Homosalate

**CAS:** 118-56-9

### Description

Homosalate is an organic compound used in some sunscreens. It is made by the Fischer–Speier esterification of salicylic acid and 3,3,5-trimethylcyclohexanol, the latter being a hydrogenated derivative of isophorone. Contained in 45% of U.S. sunscreens, it is used as a chemical UV filter

### Quality Parameters

Appearance	Clear colorless to slightly yellowish liquid
Identification	Infrared Absorption < 197F >
Assay (GC) %	99.0 - 110.0
Purity (GC) %	98.0 min
Specific gravity @25 °C	1.049 - 1.053
Refractive index @20 °C	1.516 -1.519
Acid value (mg KOH/g)	1.0 max
Methyl paraben (ppm) %	10.0 max
UV-Vis spectrum (c=0.05g/L in Methanol); E(1%-1cm) at 305+/-5nm	170 min
	3,3,5-trimethylcyclohexanol: 0.15 max
	Methyl salicylate: 0.10 max
Impurity (GC) %	Individual impurity: 0.5 max
	Total impurity: 2.0% max



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### **Storing**

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

### **Package**

200kg / drum