

Creasperse® Fe 3 AF 25

Chemical Composition:

Component	Legislation
Hydrogenated Polydecene	CAS No. 68037-01-4 EINECS No. 500-183-1 JSCI (502029)
Iron Oxide	CAS No. 1309-37-1 EINECS No. 236-675-5 ; 215-168-2 C.I. 77491
Hydroxystearic Acid	CAS No. 106-14-9 EINECS No. 203-366-1 JCIC , TSCA

INCI Name: Hydrogenated Polydecene (and) Iron Oxide (and) Hydroxystearic Acid

Japanese Name: α -Olefine Oligomer (and) Iron Oxide (and) 12-Hydroxystearic Acid

Technical Information:

Appearance	Dark brown liquid
Odour	Characteristic
Mean Crystal Size of Fe₃	Approx. 3 nm
Density (20°C)	0,80 – 1,50 g/cm ³
Viscosity (20°C) (Lamy Tve-05 – Spindle: MS-BV 100 – Speed: 200 rpm)	50 - 150 mPa.s
Solubility	Dispersible in oil
Shelf Life	Minimum 3 years

Description: Creasperse dispersions is a range of finely dispersed physical UV filters in different photostable vehicles.

Creasperse Fe₃ AF25 is a 25% dispersion of micro-fine Iron Oxide in Hydrogenated Polydecene. The Iron Oxide, which is used in this product is 3 nm in crystal size and hence is much more transparent on the skin than pigmentary Iron Oxide. It is not classified as a UV-filter, but it boosts slightly SPF, if it is combined with other Creasperse UV dispersions. It is an ideal ingredient for self-tanning products with DHA, as it gives a tanning-like tone on the skin and helps to obtain an even application prior permanent skin coloration by DHA.

Typical use level: 0,1-1%

Before using this material see the MSDS.
This technical information is offered as a guide not a guarantee.

