

## DUSORAN® MD

(+ tocopherol)

**CAS No.** 8027-33-6

**Description** Dusoran® MD is a yellowish, waxy solid with a faint but characteristic odor. Dusoran® MD is a purified mixture of sterols (Cholesterol, Lanosterol, Desmosterol and numerous other sterols) and aliphatic alcohols and diols (C18-C32), branched and non-branched. Dusoran® MD is soluble in mineral oils, ethanol, chloroform, diethylether, light petroleum ether and toluene. It is insoluble in water. Dusoran® MD is obtained by molecular distillation of saponified Lanolin. As an anti-oxidant 50-75 ppm  $\alpha$ -tocopherol is added.

**Specifications**

Saponification value (mgKOH/g)	: $\leq 10$
Acid value (mgKOH/g)	: $\leq 5$
Color (Gardner)	: $\leq 10$
Cholesterol (GC) in %	: between 8 - 12
Dropping point in °C	: between 50 - 80
Melt behaviour	: clear melt at 90 °C

**Use** Dusoran® MD acts as a co-emulsifier and stabiliser for O/W-emulsions for hair care and body/facial-care application. It gives gloss to hair, improves wet and dry compatibility, gives volume and is beneficially used to restoring and improving the quality of damaged hair (oxidative dyes, permanent wave, hair relaxing and bleaching). It performs as a rheological control agent in O/W-emulsions and mimics the human sebum in conjunction with other lipids from natural origin (squalene, triglycerides, beeswax and naturally occurring sterols such as Cholesterol and Lanosterol)

Dusoran® MD can be used in amongst others:

- oxidative hair dyes, including ammonia-free products
- conditioners
- permanent wave and hair relaxing products
- high performance emulsion based skin care products



**Benefits** Dusoran® MD is a natural product. Dusoran® MD contributes to the performance of skin and hair products. Dusoran® MD makes it possible to manufacture products with an excellent bio-compatibility, taking full advantage of the performance properties of what Nature has to offer.

**Packing** Packing in cardboard boxes on a pallet containing approx. 500 kg nett.