



Unit B5, Network Complex,

184 Edison Crescent,

Hennospark X7, Centurion, 0157

Tel: +27 12 653 3376

Fax: +27 12 653 4431

www.cosmetic-ingredients.co.za

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aMaloCoat AD

INCI Name: Mineral Oil (and) Hydrogenated Styrene / Butadiene Copolymer (and) Zinc Pyrithione

Many of the routines African consumers follow to maintain their hairstyles, such as chemical treatments, hair extensions and weaves, eventually cause inflammation and itching of the scalp which can gradually develop into full-blown dandruff (Heidi P. Chan, 2012). aMaloCoat AD was developed when the need for an effective, anti-dandruff agent was identified for use in anhydrous treatments such as hair foods, pomades, serums and also now in the popular oil-based cleansing shampoos.

The active in the aMaloCoat AD blend is zinc pyrithione, a trusted anti-dandruff agent which has proven itself over more than 40 years, not only as a potent anti-microbial on the scalp, but also as an active that normalises the stratum corneum on the scalp. (Ronald R. Warner, 2001)

Formulating with aMaloCoat AD

The blend is a 10% dispersion of the zinc pyrithione in an anhydrous base. It has been designed to blend easily into anhydrous systems, and will result in an opaque or semi-transparent product. The recommendation for leave-in products is a maximum dosage level of 1% (0.1% active (as per the European opinion published in 2002), and 10% for rinse-off products such as oil-based shampoos. The viscosity of the final product needs to be such that the particles remain in suspension.

Typical properties

Appearance	Opaque white liquid
Active content (Zinc Pyrithione):	10%
Viscosity at 25°C	4000 - 5000 cps, spindle #6, 30rpm, 1 min. (Brookfield DV-E)
Odour	Characteristic to mineral oil
Recommended use level:	1.0% max for leave-in treatments 10% max for rinse-off treatments

Preservatives

The blend does not contain any preservatives.

Bibliography

Heidi P. Chan, H. Z. H. I. M., 2012. Scalp Irritation. [Online]
Available at: <http://www.the-dermatologist.com/content/scalp-irritation>
[Accessed September 2015].

P81, C. n., 2002. Opinion concerning Zinc Pyrithione. [Online]
Available at: http://ec.europa.eu/health/ph_risk/committees/sccp/documents/out225_en.pdf
[Accessed Oct 2015].

Ronald R. Warner, J. R. S. Y. B. T. L. D., 2001. Dandruff has an altered stratum corneum ultrastructure that is improved with zinc pyrithione shampoo. Journal of the American Academy of Dermatology, 45(6).

Standard Pack size: 20 kg, 5 kg
Shelf life: 2 years

Other ingredients in this range:

aMaloco® HBB

An easy-to-use stearic acid based paste for the cold-mix manufacture of hand & body lotions and creams.

aMaloco® PQ37MO

A liquid cationic, acrylic thickener suitable for hair and skin.

aMaloco® CCB

For easy, uncomplicated manufacturing of elegant, cost-effective leave-in and rinse-off hair conditioners.

aMaloCoat MO

An easy-to-use rheology builder for clear, oil-based products.