

HARMONIE™ EM 802 Emulsion

Product Description

Harmonie EM 802 contains both argan oil and 500,000cS dimethicone. Containing 13% organic, deodorized Moroccan argan oil, this emulsion facilitates the incorporation of argan oil into aqueous formulations. Formulated for damaged hair; Harmonie EM 802 significantly improves dry combing in shampoo and shows excellent wet combing reduction in conditioners. Smoothing and damage repair are both possible in rinse-off products, thanks to the inclusion of dimethicone. Hair was also deemed glossier when washed in shampoo and conditioner containing Harmonie EM 802. These effects can be seen at addition levels of 2% active emulsion to rinse-off formulations, but usage is recommended in all types of personal care products, at 1 - 6% as supplied. Argan oil is notoriously unstable at temperatures over 40°C and in UV light, leading to discoloration, odor and viscosity issues. It is also a deep amber color which can affect the final color of the formulations. Emulsifying argan oil into a white emulsion ensures a much more stable product without affecting the color of the formulation. It can be seen from combing data that adding neat argan oil into shampoo at several active levels actually has a detrimental effect on the condition of the hair. Emulsifying argan oil to ~2µm allows optimum conditioning in rinse-off products.

INCI Name

Argania Spinosa (Argan) Kernal Oil (and) Dimethicone (and) Laureth-4 (and) C12-14 sec-Pareth-9

Key Features and Typical Benefits

- Optimized blend of silicone and argan oil
- Improves wet and dry combing
- Enhances smoothness of hair and skin
- Enhances gloss
- IECIC listed

Typical Physical Properties

Appearance	Milky, White Liquid
Argan Oil Content (%)	13
Silicone Content (%)	39
External Viscosity (cS at 25°C)	9,000
Particle Size (µm)	1 - 2
Emulsifier Type	Non-Ionic

Typical property data values should not be used as specifications. Assistance and specifications are available by contacting Momentive Performance Materials Commercial Office.

Potential Applications

Potential Applications include:

- Damaged Hair Shampoo
- Conditioners and Intensives
- Premium and Salon Hair Care
- Skin Products

General Considerations for Use

The recommended usage level for Harmonie EM 802 is 1 - 6% as supplied, although this is heavily dependent upon application.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Handling and Safety

Customers should review the latest Material Safety Data Sheet (MSDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, and any special storage conditions required for safety. MSDS are available at www.momentive.com or, upon request, from any Momentive Performance Materials (MPM) representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Packaging

25kg and 200kg per drum.

Storage

The product should be stored below 32°C and not be allowed to freeze. Shelf life of the un-opened container is 12 months from the date of manufacture. If you wish to use this product after this time, please contact us for details.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Customer Service Centers

For additional information, please contact our Customer Service Team

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