

## HARMONIE™ EM 801 Emulsion

### Product Description

Harmonie EM 801 contains 52% organic, deodorized Moroccan argan oil. Formulated for damaged hair; Harmonie EM 801 significantly improves dry combing in shampoo and provides excellent wet combing in conditioners. Smoothing is also improved in rinse-off hair products. Softness of hair is improved significantly when compared to neat oil. When incorporated into conditioners, damage repair is possible. Neat argan oil is a deep amber color which can affect the final color of the formulation. 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. In skin cream, Harmonie EM 801 has shown to maintain homogeneity under shear stress, give a softer initial touch, take less work to spread and give a much more stable product over time when compared to neat argan oil in the same formulation. Skin is also more hydrated when using emulsified argan oil.

### INCI Name

Argania Spinosa (Argan) Kernal Oil (and) C12-14 sec-Pareth-5 (and) C12-14 sec-Pareth-9

### Key Features and Typical Benefits

- Natural Index (ISO 16128): 0.87
- Improves wet and dry combing, and smoothness of hair
- Natural conditioning
- Hydrates skin by up to 20% more than neat oil
- Easy incorporation of Argan oil without discoloration
- 12x more effective at improving softness than neat oil

### Typical Physical Properties

Appearance	Milky, White Liquid
Argan Oil Content (%)	52
External Viscosity (cS at 25°C)	9,000
Particle Size (µm)	1 - 2
Emulsifier Type	Non-Ionic
Natural Origin Index (ISO16128)	0.87

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 801 is 2 - 6% as supplied, although this is heavily dependent upon application. It is recommended to formulate above pH 5.5 in surfactant systems.

### **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](http://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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