

## FARMAL™ MS 6822

**Description:** FARMAL™ MS 6822 is a non-ionic, bio-based polymer derived from renewable sources, which can be used to obtain a creamy texture and enhance conditioning properties in opaque cleansing systems.

**INCI Name:** SODIUM HYDROXYPROPYL STARCH PHOSPHATE

**Applications:** Rinse-off Personal Care Products such as;

- Body Wash
- Shampoo
- Face Cleansers

**Formulator Benefits:**

- Enables elegant texture in opaque cleansing systems
- Effective thickener, provides creamy texture
- Stabilizes viscosity throughout shelf-life
- Improves creaminess and lather
- Enhances skin after-feel
- Works in traditional and sulphate-free systems
- Derived from renewable sources

**Usage Information:**

- Use level;
  - 2-5% depending on desired viscosity
- General Preparation Guideline:
  - Add Farnal™ MS 6822 directly into water while mixing OR premix with water, at a 1:2 ratio (slurry).
  - Add slurry directly into water phase, mix at slow to medium speed at 75-80° C for approximately 20-25 minutes. Solution will begin to thicken resulting in a homogenous translucent appearance.
  - Slowly add surfactants and remaining ingredients into the mixture.
  - Cool down before adding preservative, fragrance, and other extracts.

**Sensory Data:**

- |                   |                          |
|-------------------|--------------------------|
| • Appearance      | Free-flowing fine powder |
| • Colour (Visual) | White to off-white       |

**Physical and Chemical Specifications:**

- |                   |             |
|-------------------|-------------|
| • Moisture        | 13% maximum |
| • pH (20% slurry) | 4.8 – 7.0   |

Effective Date: 15.06.2021

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**Microbiological Specifications:**

Standard Plate Count cfu/g  
 Total Yeast cfu/g  
 Total Mould cfu/g  
*E. coli* /g  
*Salmonella* /25g

**Max**

500 maximum  
 50 maximum  
 50 maximum  
 Negative  
 Negative

**Packaging**

22.7 kg multi wall kraft paper bags  
 550 kg supersacks

**Storage**

Bags should be stored in a clean, dry, well ventilated area at ambient temperature and protected from exposure to high humidity or odourous materials. This product is a fine, organic powder and as such can give rise to a nuisance dust which has the potential to cause dust explosion. Handle sensibly to minimise formation of dust and exposure to ignition sources. Periodic testing (about every three months) is recommended to affirm that quality is being maintained.

**Shelf Life**

2 years from date of manufacture, if stored correctly

**Regulatory Data**

European Union: REACH- relevant modifying substance registered by Ingredion; Derived from GM maize/corn; For further information please refer to product I-PIF.

**Safety Data**

While not classified as “Hazardous” according to (EC) No. 1272/2008, this product can produce a nuisance dust which has the potential to cause a dust explosion. For additional safety and handling data, please see Safety Data Sheet.

This document is issued on behalf of the Ingredion EMEA Company which is supplying the product. The Ingredion EMEA Companies are part of the Ingredion group of companies. The respective details of each of the Ingredion EMEA Companies are as follows:

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