

## GLUCO DOE 120

### INCI Name

PEG-120 METHYL GLUCOSE DIOLEATE

### Description

GLUCO DOE 120 is a natural glucose derivative from corn, acting as high-efficient thickener in shampoo, body wash, facial cleanser and baby cleanser. It is especially applicable to some surfactants hardly to thicken. It causes no irritation to eyes, meanwhile significantly reduces irritation of whole formula.

### Specification

| Parameter                     | Value                       |
|-------------------------------|-----------------------------|
| Appearance                    | Yellowish or white<br>Flake |
| Odor                          | Mild, characteristic        |
| Saponification value(mgKOH/g) | 14-26                       |
| Hydroxyl value(mgKOH/g)       | 14-26                       |
| Acid value(mgKOH/g)           | ≤1.0                        |
| Iodine value(g/100g)          | 5-15                        |

These values indicate typical specification, they are not intended to be used as product specifications.

### Properties

- Superior ability to thicken many anionic and amphoteric surfactants.
- No irritation to eye, applicable in facial cleanser and baby shampoo.
- No effect on foamability.
- Impart quite soft and gentle after-feeling.

### Applications

Shampoo  
Body wash  
Facial cleanser

### Formula Guidelines

Typically used at a level of 0.1~5.0%

- How to handle in formula –  
Option 1, Add GLUCO DOE 120 into system while gently stirring with a little heating. Mix until uniform, add other ingredients.  
Option 2, Dissolve GLUCO DOE 120 in water by 1:5~10 ration while heating. Then add it into prepared surfactant solution.

### Storage & Handling

**Standard Packing:**25kg/drum

**Storage:** Keep in Cool, Dry, Ventilated and Lightless Place.

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