

iTHICK DOE 120

INCI Name (US): PEG-120 Methyl Glucose Dioleate

INCI Name (EU): PEG-120 Methyl Glucose Dioleate

CAS #: 86893-19-8

**General Information/
Characteristics:** **iThick 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.

Benefits / Application:

Benefits:

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

Applications:

- ❖ Body wash
- ❖ Facial and hand cleanser
- ❖ Shampoo

Formulations Advices:

Option 1:

Add **iThick DOE 120** into system while gently stirring with a little heating. Mix until uniform, add other ingredients.

Option 2 :

Dissolve **iThick DOE 120** in water by 1:5 ~10 ratio while heating. Then add it into a prepared surfactant solution.

Dosage: Typically use: 0.2 -5.0%

Regulatory Status:

No specific regulation

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Physico-Chemical Properties:	Aspect	Flake
	Color	Yellowish or white
	Acid value	Max. 1.0 (mg KOH/g)
	Hydroxyl value	14.0 - 26.0 (mg KOH/g)
	Saponification Value	14.0 - 26.0 (mg KOH/g)
	Iodine value(g/100g)	5 – 15 (g/100g)

Shelf Life / Storage Conditions 24 months if stored. Keep in Cool, dry, ventilated and lightless place.

Packaging: 25 kg/bag

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