



NOVO S2[®]

A high performance emulsifier.

- Strong emulsifier
- Strong oil in water solubilizer
- Soft skin feel formula





NOVO S2[®]

INCI Name: STEARETH-2

Introduction:

Emulsifier is a key ingredient of each emulsion to produce stable dispersion of the components of the formulation. Novo S2 is designed to produce stable oil in water emulsions. It is recommended for use in extreme pH formulations such as deodorants. This product is suitable for skin care, deodorants, and antiperspirants.

Technical Data Sheet (TDS)

Appearance at 25°C (form)	pastilles, may clump together
Appearance at 25°C (color)	white to pale Yellow
Appearance at 60°C (form)	liquid
Appearance at 60°C (clarity)	clear, must be free from contaminants
Odor	characteristic
Acid value	Max 1.0
Hydroxyl value	150.0-170.0
Color at 60°	Max 50.0
Water content	Max 1.0% W/W
Peroxide value	Max 5.0 meqO ₂ /Kg
Residual ethylene oxide	Max 1.0 ppm
Residual dioxane content	Max 10.0 ppm
Melting point	41-45°C

- Novo S2 can form stable O/W emulsions which bound water around oil droplets





Active & Mechanism:

Novo S2 is a range of alky polyglycol ethers, which is produced by reacting EO (Ethylene oxide) with fatty alcohols or fatty acids. They possess certain behavioral characteristics, which enable them to exhibit great tolerance to extreme levels of pH and high levels of electrolytes. Besides, they have emulsification properties as well as solubilization.

Typical formulation Aluminium free deodorant	
Novo S2	4
Novo S21	6
Aqua	qs
Propylene Glycol	5
Novo Sorb WS Plus	0.1
Novo Deolan	18
Novo ben-5	1
Fragrance	qs
EDTA	0.1



Benefits:

- Great tolerance to extreme levels of pH
- Emulsification properties
- Solubilization properties

How to use:

- Add the oil phase
- Hot process

Dosage: 2-8%

Applications:

- O/W emulsifier for cream (from low to high viscosity)
- Deo roll deodorant



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