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FSS Glyceryl Stearate Citrate (GSC)

FSSB00702

Technical Data

- ▶ O/W- Emulsifier
- ▶ Builds up viscosity
- ▶ For light and rich formulations
- ▶ Excellent stability
- ▶ Food Grade, globally approved
- ▶ 100% natural and palm free
- ▶ **INCI: Glyceryl Stearate Citrate**



Product Information

- ▶ FSS Glyceryl Stearate Citrate (GSC) is a very effective emulsifier for O/W-emulsions. It is a very safe ingredient and used in the food industry as well. The skin compatibility is as good as its general toxicological profile. FSS Glyceryl Stearate Citrate (GSC) has been used for many years as a very effective O/W-emulsifier in almost every personal care application, ranging from Baby Care via all kinds of general skin and face care to Sun Care. It is a very robust emulsifier that is easy to use and works perfectly, even under difficult conditions, for example when preservative boosting agents are used. Also, this natural emulsifier does not show a tendency towards oxidation, so it stays stable during the life time of a product and will neither change color nor smell.
- ▶ Creams with FSS Glyceryl Stearate Citrate (GSC) can easily be modified from light and velvety to rich and protecting. This can be achieved through simple modifications in the formulation. Also the viscosity can be adapted from fluid lotions to high viscous creams. Our technical staff can help you create different types of emulsions based on this versatile and cost-effective natural emulsifier.

Product Information

- ▶ FSS Glyceryl Stearate Citrate (GSC) is an excellent, high-performing O/W-emulsifier for all kinds of O/W emulsions. It provides a pleasant texture in emulsions and builds up viscosity. By using different doses of FSS Glyceryl Stearate Citrate (GSC) the formulator can already produce different textures. By using different co-emulsifiers and/or texturizers, the skin feel and viscosity can be driven into different directions. It is possible to create a large variety of emulsions from fluid lotions to thick creams with this product. Depending on the requirements of the formulation, the use of thickeners like Xanthan Gum or others may not be needed.
- ▶ FSS Glyceryl Stearate Citrate (GSC) can be complemented by many other co-emulsifiers. Non-ionic emulsifiers tend to work very well with FSS Glyceryl Stearate Citrate (GSC). It shows extraordinary robustness when used with surfactants or amphiphilic preservative boosters.

Application

- ▶ Example Concentrations: 1.5 - 3.0% for different kinds of emulsions
- ▶ Solubility: Dispersible in hot water, oil soluble at higher temperatures
- ▶ Formulation Tips:
 - a) Add product to the hot water or oil phase and melt it completely
 - b) Homogenize the phases with other ingredients