Technical Data Sheet (experimental)
Ref: BM013
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Biomethics® Emulsifier LHS

Chemical Composition:

Component	Legislation
Sucrose Stearate	CAS No. 25168-73-4 EINECS No. 246-705-9
Hydrogenated Lecithin	CAS No. 92182-87-5 EINECS No. 295-786-7
Helianthus Annuus (Sunflower) Wax	CAS No. 100209-44-7 EINECS No. 309-352-2
Helianthus Annuus (Sunflower) Seed Oil	CAS No. 8001-21-6 EINECS No. 232-273-9
Xanthan Gum	CAS No. 11138-66-2 EINECS No. 234-394-2
Tocopherol	CAS No. 10191-41-0 EINECS No. 233-466-0 JSCI (109577)
Phenoxyethanol	CAS No. 122-99-6 EINECS No. 204-589-7 JACT-9(2)1990, JCLS, JSCI, JSQI

INCI Name: Sucrose Stearate (and) Hydrogenated Lecithin (and) Helianthus Annuus (Sunflower) Wax (and) Helianthus Annuus (Sunflower) Seed Oil (and) Xanthan Gum (and) Tocopherol (and) Phenoxyethanol

Technical Information:

Appearance	Beige powder / flakes
Odour	Characteristic
Viscosity (20°C - 10% in Water) (Lamy Tve-05 – Spindle: MS-BV 100 – Speed: 200 rpm)	300 – 600 mPa.s
pH (20°C - 10% in Water)	5,5 – 7,5
Solubility	Dispersible in water
Shelf life	Minimum 3 years

Description: Biomethics® Emulsifier LHS is a natural emulsifier for hot processing. It is surfactant free and PEG-free. The emulsifier is available preserved with our standard preservation system. It can be preserved also with the preservative system of customer's choice.
Biomethics® Emulsifier LHS should be solubilized in the water phase by mixing gently for about 15 minutes in a water bath at 80°C, and then for 10 minutes under more vigorous agitation. When completely hydrated, the oil phase will be added into the water phase. The homogenization has to be done while the emulsion is still hot for 1-2 minutes. If homogenized as cold, the emulsion structure will break down.
Typical use level: 4 - 8%

Before using this material see the MSDS.
This technical information is offered as a guide not a guarantee.

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