

Technical Data Sheet

Pair2Phase1

Emulsifier Mixture

Field of Application: Natural and organic cosmetic formulations

Properties: Pair2Phase1 is an emulsifier blend similar to skin phospholipids leading to an outstanding skin feel without stickiness.

- **Good emulsifying ability of non-miscible liquids**
- **Application in certified cosmetic formulations**
- **No yellowing in sun care formulations**
- **Environmentally friendly**
- **Free from preservatives, fragrances and solvents**
- **Sulphate free**
- **PEG-free**
- **Humectant abilities**

Application: Pair2Phase1 is an anionic emulsifier for cosmetic preparations such as creams and lotions for skin and body care in a variety of beauty and cosmetic products like shampoos, facial cleansers, exfoliants, sunscreens, moisturizers and make up removers. It allows the formulation of water resistant sun care products with soothing skin feel without stickiness. Due to its driving force to form lamellar surfactant phases potassium cetyl phosphate takes care to regulate humidity on the skin. The surfactant property lowers the surface tension of cosmetic formulations as well as aids the even distribution of the product when used.

Composition: INCI: Potassium Cetyl Phosphate, Behenyl Alcohol

Product Characteristics:	Supplied form	flakes*
	Colour	white – light yellowish*
	Saponification value	40 – 65 mg KOH/g*
	pH value (1%)	6.5 – 7.5*
	Melting point	55 – 65°C

*specified values

Guide Formulation: Recommended use concentration: 0.5 – 10 % in heated oil phase of preparation

Regulatory Information:	Please request the corresponding regulatory data sheet
Shelf Life:	12 months after date of despatch
Storage Conditions:	<ul style="list-style-type: none"> • Store at room temperature • Store in closed container
Packaging:	Drum of 60 l (25 kg net) Sample: 0.4 kg

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