

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:

- Store at room temperature
- Store in closed container

Packaging: Drum of 60 l (25 kg net)
Sample: 0.4 kg

Rev : 1 – 04/10/2018 – KHM

This publication does **not contain any instruction manual or operating guidelines**. It is provided for information purposes only and without any responsibility. Schill+Seilacher GmbH makes no representations about the accuracy, reliability or completeness of the information in this publication. We reserve the right to revise our products and the information at any time without notice. The information in this publication is based on the present state of our knowledge and experience. Our technical advice and recommendations, whether verbal, in writing or by way of trials, do not absolve the recipient, on account of the many outside influences which may affect the product use and application, from their own testing and trials. A legally binding assurance based on the information contained herein regarding particular properties or the suitability for definite customer applications cannot be derived from our information. To the extent permitted by law, Schill+Seilacher makes no warranty and assumes no liability in connection with the use of the information contained in this publication. In particular, Schill+Seilacher is not liable for any direct, indirect, incidental, consequential or punitive damages arising out of the use of this publication. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Schill + Seilacher GmbH
 Schoenaicher Straße 205
 D-71032 Boeblingen

Internet: www.schillseilacher.de

Abteilung KHM

Fon: +49 (7031) 282-241

Fax: +49 (7031) 282-159

E-Mail: surfactant@schillseilacher.de