



Better chemistry – achieving more.

# PERSONAL CARE PRODUCT OVERVIEW



# Personal Care

## Product Overview

### WeylCare® Allantoin

#### The ultimate cell proliferation ingredient

Ointments made out of allantoin-rich comfrey roots have been used as wound healing aids in naturopathic medicine since ancient times. WeylCare® Allantoin is the pure form of allantoin produced by a clean, synthetic process and provides the well-known, beneficial healing and soothing effect on stressed skin. It supports the regeneration of damaged skin cells by promoting cell proliferation and modulating the inflammatory response. Moreover, since allantoin acts as moisturizer it increases the smoothness of the skin.

WeylCare® Allantoin is the ultimate skin-curing active for all skin applications.

#### Product Description

- INCI: Allantoin
- CAS No.: 97-59-6
- Appearance: White powder
- Active content: Min. 98.6%
- pH (0.5% aq. solution, 20°C): 4.0 – 6.0
- Recommended usage level: 0.1 – 0.5% w/w
- Compatible with most cosmetic ingredients
- Adaptive in O/W and W/O emulsions and hydrogels

#### Benefits

- Cell proliferation and regeneration
- Skin soothing
- Anti-inflammatory
- Skin moisturizing
- Anti-acne
- Antioxidant
- Anti-transpirant

WeylCare® Allantoin is also available as EP/USP grade.



## WeylCare® ATBS

### Thickening with a silky-cool touch

WeylCare® ATBS is a strongly hydrophilic, swellable polymer, which is well known for its outstanding viscosity modifying properties over a wide pH range. Its smooth texture and moisturizing sensation on human skin are well appreciated by the customer. As formulation backbone, WeylCare® ATBS shows excellent stability and tolerance to most Personal Care ingredients and even exhibits emulsifying properties. And most importantly WeylCare® ATBS has the extraordinary touch: smooth, light and fresh.

WeylCare® ATBS is the perfect thickener for all kind of Personal Care applications.

#### Product Description

- INCI: Ammonium Polyacryloyldimethyl Taurate
- CAS No.: 62152-14-1
- Appearance: White to off-white powder
- Active content: Min. 93%
- pH (1% aq. solution, 20°C): 4.5 – 6.5
- Recommended usage level: 0.3 – 1.0% w/w
- Excellent compatibility with most water soluble solvents
- Easy to formulate, neutralized, high shear stability
- Adaptive in O/W and W/O emulsions and hydrogels

#### Benefits

- Multifunctional viscosity modifier for O/W emulsions
- Forms homogeneous, almost transparent gels with water
- Stable viscosity profile from pH 3.5 – 9.0
- Excellent sensory feel, silky, light, cool and non-sticky
- Emulsifier-free formulations with up to 20% oil feasible
- Excellent bio-compatibility
- EO-free
- Ready to use (pre-neutralized)
- UV light tolerance
- Cold-processable



## WeylCare® CetylP

### High-end emulsifying with a velvety feel

WeylCare® CetylP is a versatile, highly effective O/W-emulsifier, which can meet the stability needs of even the most complex oil-in-water formulations. It is produced from mass-balanced starting materials and is derived natural according to ISO 16128. WeylCare® CetylP is a cost-effective ingredient and, even when used at low dose rates, delivers powerful stabilisation for high loads of emollients, UV filters and pigments.

Due to its similar structure to naturally occurring phospholipids, WeylCare® CetylP, which is EO and halogen-free, has a low irritation potential and imparts to your formulation incredible moisturization combined with an excellent skin feel.

#### Product Description

- O/W-emulsifier (HLB of 9.6)
- INCI: Potassium Cetyl Phosphate
- Derived natural, according to ISO 16128 with RCI=1.0 made from mass balanced starting material
- Versatile emulsifier for all applications and viscosities from rich creams to sprayable lotions
- Easy to formulate - already neutralized, compatible with many ingredients and suitable for formulations with a wide pH range from 5 to 8
- EO & halogen-free
- Appearance: White to off-white powder
- Recommended usage level: 0.5 – 5% w/w

#### Benefits

- Flexible-to-use O/W-emulsifier for all applications
- Derived natural
- EO & halogen-free
- Stabilization of complex formulations
- Suitable for high loads of emollients, UV filters and pigments
- Low skin irritation/safe for sensitive skin care
- Pleasant skin feel & moisturization
- Cost-effective



## WeylCare® PB

### Mildly boosting preservation with pleasant skin feel

WeylCare® PB is a range of two products (WeylCare® HexaPB and WeylCare® OctaPB) which are non-ionic surface-active agents predominantly used as preservative support and booster in parabene-free formulations. They show synergistic effects in combination with many conventional preservative systems.

On top WeylCare® HexaPB and WeylCare® OctaPB act as mild moisturizing agents in Skin Care products thus providing a pleasant feel on the skin. Solubilizing and stabilizing properties across a wide pH range complete their characteristics and make WeylCare® HexaPB and WeylCare® OctaPB key multifunctional ingredients for many Personal Care applications.

#### Product Description

	WeylCare® HexaPB	WeylCare® OctaPB
INCI	1,2-Hexanediol	Caprylyl Glycol
CAS-No.	6920-22-5	1117-86-8
Appearance	Colorless – light yellow liquid	White waxy solid
Active content (%)	>98	>98
Recommended usage level (%)	0.5 – 3.0	0.5 – 2.0
Soluble in	Water, ethanol	Water, cosmetic esters

#### Benefits

- Support for many preservative systems (efficacy approved by challenge test according DIN EN ISO 11930)
- Moisturizing and emollient properties
- Conditioning
- Performs across a wide pH-range
- Solubilizer and stabilizer
- Excellent formulation flexibility and compatibility
- Anti-transpirant



## Application Areas

PRODUCT	HAIR						BODY					FACE			SUN		AP/DEO & ORAL	
	Shampoo	Baby/Kids Shampoo	Conditioning	Treatment	Styling	Coloring	Shower/Bath Products	Baby/Kids Cleansing	Liquid Soap	Body/Hand Care	Baby Care	Cleansing	Care	Color Cosmetics	Sun Protection	Apres Sun Care	Antiperspirants & Deodorants	Toothpaste
<b>Active Ingredients</b>																		
WeylCare® Allantoin	•	•	•	•			•	•	•	•	•	•		•	•	•	•	•
<b>Rheology Modifiers</b>																		
WeylCare® ATBS			•		•					•	•			•	•	•		
<b>Emulsifiers</b>																		
WeylCare® CetylP			•				•	•		•	•	•	•	•	•	•	•	•
<b>Preservative Boosters</b>																		
WeylCare® HexaPB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WeylCare® OctaPB	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•



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