

Aminopearl® PCA-50

Aminopearl® PCA-50 is comprised of Pyrrolidone Carboxylic Acid (PCA) and its salts. The sodium salt of PCA (Na PCA) is a natural humectant in skin, and is one component of the "Natural Moisturizing Factor"(NMF). PCA-50 is extremely hygroscopic and imparts a pleasant and moist feeling to skin and hair, and it helps increase softness and elasticity.

CHARACTERISTICS

- Contained abundantly in skin and plays the role of a natural moisturizing factor ingredient.
- Extremely hygroscopic and imparts a pleasant moist feeling to skin and hair.
- Increases softness and elasticity of skin and hair.
- Even in high concentrations, it is safe to skin and eye mucosa irritation is low.
- Colorless and odorless.
- Stable at a broad range of temperatures and pH's.
- Rapidly biodegradable.

APPLICATIONS

Since PCA-50 has excellent moisturizing effects and safety to skin and eye mucosa, this product is especially useful as a humectant for cosmetics and toiletries.

- Skin Care Products: creams, lotions, tonics, shower gels, etc.
- Hair Care Products: shampoos, conditioners, hair tonics, hair creams, etc.
- Sun Care Products: pre and post sun care creams, lotions, gels, etc.
- Make-Up Products: foundations, lipsticks, etc.
- Health Care

ACCI Specialty Materials, LLC.

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TYPICAL PROPERTIES

- Specific Gravity 1.26-1.30
- pH 6.8-7.4
- Content 48-53%

BIODEGRADABILITY

BOD decomposition ratio(%) of PCA-50 is as follows:

- 14 days 69.3%
- 28 days 74.4%
- (OECD guidelines, MITI method)

MATERIAL INFORMATION

Trade Name	Chemical Name	CTFA,-INCI Name	CAS No.	Appearance	Packaging
PCA-50	Sodium L-2_pyrrolidone-5-Carboxylate	Sodium PCA	28874-51-3	Clear,50% aqueous solution	250kg Drum 5 Gal Pail 1 Ton Tote

MANUFACTURING LOCATION

Harrisonville, MO USA

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