



Protacide PSP Blend

Component	CAS No.	EC No.	% w/w
Phenoxyethanol	122-99-6	204-589-7	80.0 - 85.0%
Water	7732-18-5	7732-18-5	10.0 - 15.0%
Potassium Sorbate	24634-61-5	590-00-1	2.0 - 3.0%
Sodium Benzoate	532-32-1	208-534-8	2.0 - 3.0%

Protacide PSP Blend is a broad-spectrum preservative blend based on Phenoxyethanol, Sodium benzoate and Potassium sorbate.

Protacide PSP Blend combines the antibacterial activity of Phenoxyethanol with the antibacterial/antifungal activity of Sodium benzoate and the antifungal activity of Potassium sorbate.

This combination is highly effective against Gram-negative bacteria, Gram-positive bacteria, yeasts and moulds.

For this blend to be effective, the pH of final formulation should range from 3.0 to 6.0.

Protacide PSP Blend is soluble in water, alcohols, and glycols.

Protacide PSP Blend will tolerate working temperatures up to 80°C.

Protacide PSP Blend is very mild to the skin, and can be used in aqueous systems or emulsions for rinse-off and leave-on applications.

Typical applications include:

- Hair care: gels, shampoos, lotions, conditioners, mousses.
- Body & face care: serums, tonics, gels, lotions, creams, masks, wipes.
- Make-up: foundations, wipes, powders.
- Shaving products: shave soaps, gels, aftershave balms, lotions, creams.
- Sun products: sunscreens, suntans, after-sun.
- Bath products: shower gels, bubble baths, hand-cleaners, powders, wipes.
- Baby care: shampoos, bath products, lotions, creams, oils, powders, wipes.

**The typical use levels of Protacide PSP Blend are 0.50 - 1.0%,
In this range no additional preservatives are required.**

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