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## ProAvita™ ProDet Pe

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ProDet Pe is a fully bio-degradable washing off agent for polyester blends and minimizes the effluent load.

ProDet Pe provides excellent fastness properties and saves water and energy in soaping process for polyester blends.

The product is in compliance with GOTS 5.0, OEKO-TEX / ECO PASSPORT/ REACH and ZDHC Gateway registered.

### Product Specifications

Physical form	Liquid
Colour	Light Ivory to Dark Ivory
Ionic Character	Anionic - Amphoteric in nature when applied
Operating pH	2.5 to 14
Operating Temperature	1° C to 140° C
Effective Substance	A consortium of bio chemicals derived from probiotics
Electrolyte Stability	Stability to electrolytes used in Textile processing
pH	2.7 < V < 3.5
Biodegradability	100%
Storage	Store at room temperature, do not freeze, keep lid closed, avoid direct sunlight
Packaging	Packed in 50 Kg barrel.

## Advantages

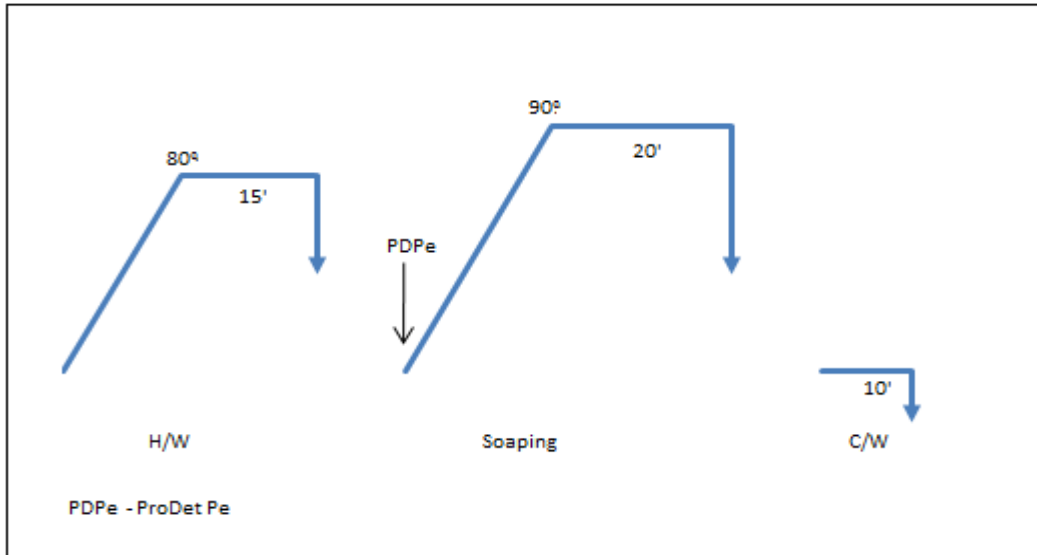
Features	Benefits
Promotes solubility of hydrolysed disperse dyes	<ul style="list-style-type: none"> <li>• 100% replacement/ reduction of Caustic and Hydrose.</li> <li>• Enhances the Anti-Oxidation Property.</li> <li>• Increased effectiveness of washing off process and ensure the powerful dispersing action combined with high washing efficiency.</li> <li>• Superior wash and improves the fastness properties.</li> <li>• It will meet out the sublimation fastness at higher temperatures of 180 deg C</li> </ul>
Non-foaming	<ul style="list-style-type: none"> <li>• Does not foam when used in jets - all type of process / machine</li> </ul>
Phosphate and Alkali free	<ul style="list-style-type: none"> <li>• Better colour retention in dyed fabrics, as compared to chemical soaping agents</li> </ul>
No electrolyte effect	<ul style="list-style-type: none"> <li>• Does not promote re-deposit of washed reactive and disperse dyes</li> <li>• No staining on white ground</li> </ul>
100% Biodegradable	<ul style="list-style-type: none"> <li>• Reduces load on E.T.P up to 30%</li> <li>• Nontoxic to aquatic organism</li> </ul>
Process, Chemicals and Energy Saving	<ul style="list-style-type: none"> <li>• Separate neutralization process is not required. Significant energy and bath savings</li> </ul>

## Application Dosage

ProDet Pe is applied at the rate of 1.0 gpl to 2.0 gpl depending on the dye depths:

- Soaping Dyeing: 1.0 to 2.0 g/l (exhaust or continuous process)
- Soaping Prints: 3.0 to 5.0 g/l

## For extra dark shades



## Safety and Handling

Nontoxic, does not require any protective equipment when handling. Rinse with water if product comes into contact with eyes.

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### Disclaimer

ProAvita is a registered trademark of Proklean Technologies Pvt Ltd. The information and recommendations contained herein, are based on our product experience and process understanding. Minor variation in colour could occur due to organic nature of the raw material used. Customers are encouraged to conduct their own trials with their own recipe to validate results and to read safety data sheet before using the product.