



# **Paramount Minerals and Chemicals Limited**

(An ISO 9001- 2000 Certified Company)

## **Parawhite BA Powder**

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PARAWHITE BA POWDER IS A HIGH SUBSTANTIVE OPTICAL WHITENING AGENT FOR NATURAL AND REGENERATED FIBRES, PARTICULARLY SUITABLE FOR EXHAUSTION METHOD.

PROPERTIES :-

CHEMISTRY : DERIVATIVE OF STILBENE DISULPHONIC ACID  
 APPEARANCE : FINE YELLOWISH POWDER  
 IONIC NATURE : ANIONIC  
 SHADE : BLUISH TO NEUTRAL WHITE  
 SOLUBILITY : 150 GMS/LITRE AT BOIL  
 SUBSTANTIVITY : HIGH  
 pH (1% AQUEOUS SOLUTION) : 8.5-9.0  
 IT IS INSENSITIVE TO MEDIUM HARD WATER  
 (APPROX 15 DEGREE GERMAN)

STABILITY:

	IN SOLUTION -----	ON THE FIBRE -----
PEROXIDE	VERY GOOD	VERY GOOD
HYDROSULPHITE	VERY GOOD	VERY GOOD
CHLORINE	NOT STABLE	GOOD
ACIDS	NOT STABLE	NOT STABLE

UNDER pH 5

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FASTNESS:

LIGHT 3-4  
 WASHING 5

APPLICATIONS:  
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1. APPLICATION ON CELLULOSE

A) WINCH OR JET BLEACHING -

HYDROGEN PEROXIDE 50%	: 8.00 MLS/LITRE
CAUSTIC SODA	: 0.50 GPL
ORGANIC STABILIZER	: 1-2 GPL
WETTING AGENT	: AS REQUIRED
PARAWHITE BA	: 0.05-0.15% ON WT OF FABRIC

(2)

- B) JIG BLEACHING - HYDROGEN PEROXIDE 50%:3.00% - 5.00%  
 CAUSTIC SODA :1.00% - 1.50%  
 ORGANIC STABILIZER :1.00% - 1.50%  
 WETTING AGENT :AS REQUIRED  
 PARAWHITE BA :0.05-0.15%
- C) PACKAGE BLEACHING - HYDROGEN PEROXIDE 50%:13.00 MLS/LITRE  
 CAUSTIC SODA :0.50 GPL  
 ORGANIC STABILIZER :1.00-2.00 GPL  
 WETTING AGENT :AS REQUIRED  
 PARAWHITE BA :0.05-0.15%

IN EACH CASE THE BLEACH IS NORMALLY CARRIED OUT @ 100 DEGREE C FOR APPROXIMATELY ONE HOUR.

2. APPLICATION ON POLYESTER/COTTON BLENDS THE BLEACHING OF POLYESTER/COTTON BLEND IS GENERALLY CARRIED OUT WITH BLEACH LIQUORS SIMILAR TO THOSE USED FOR 100% COTTON FABRICS AS DETAILED IN SECTION 1.

3. APPLICATION ON POLYAMIDE/COTTON PARAWHITE BA CAN BE USED TO OBTAIN SOLID WHITES ON BLEACHED COTTON/POLYAMIDE BLENDS BY APPLICATION FROM STABILISED HYDROS AT 100 DEGREE C AT 6-7 pH FOR HALF AN HOUR.

4. APPLICATION ON POLYAMIDE ALTHOUGH PARAWHITE BA IS APPLICABLE TO NYLON FROM A SLIGHTLY ACIDIC BATH AT pH 5.5 AT A TEMPERATURE OF 100 DEGREE C, PREFERRED METHOD OF APPLICATION IS AS FOLLOWS:

PARAWHITE BA : 0.1-0.4% ON WT OF GOODS  
 STABILIZED HYDROS: 1.0-3.0 GPL  
 TEMPERATURE : 90-100 DEGREE C  
 TIME : 30 MINUTES

NOTE:

1. DILUTE SOLUTIONS MUST NOT BE EXPOSED TO NATURAL LIGHT.
2. DO NOT USE CATIONIC AUXILIARIES.
3. HEAVY METAL IONS MAY INTERFERE WITH THE EFFECT OF ANIONIC OPTICAL BRIGHTENERS. THIS CAN BE AVOIDED BY ADDING SUITABLE CHELATING AGENTS.