

PRODUCT PSA

PRODUCT PSA is a non-silicate based stabilizing agent for hydrogen peroxide bleaching of cotton and cotton blends by batchwise, continuous or semi continuous systems.

Technical data:

Appearance : Clear light yellow liquid.
pH (10% soln.) : 10 - 11 .
Ionicity : Anionic

CHEMICAL COMPOSITION :

PRODUCT PSA is a blend of inorganic substances . It doesn't contains sodium silicate .

GENERAL PROPERTIES :

- 1 - Can partially , and in many cases totally replace sodium silicate in the hydrogen bleaching of cotton and cotton blended goods .
- 2 - Leaves yarns and fabrics with a softer handle and better frictional properties.
- 3 - Does not leave deposits on bleaching equipment .
- 4 - Is non-foaming .
- 5 - Is compatible with optical brightening agents .

Application :

The following recipes are given typical bleach bath formulation using

PRODUCT PSA : -

- 1 - **Winch or jet** (e.g. cotton hosiery) :

| | |
|---------------|----------------------------|
| 0.5 -1.0 g/l | Caustic soda 100% . |
| 0.5-1.5 g/l | PRODUCT PSA . |
| 0.5 -1.0 g/l | Detergent/ wetting agent . |
| 3 -10 cc/l | Hydrogen peroxide (35%) . |
| 0.5 - 0.5 g/l | Product EP 60 . |

- 2 - **Packages** (e.g. yarn) :

| | |
|---------------|---------------------------|
| 1.0 - 2.0 g/l | Caustic soda 100 % |
| 1 - 2 g/l | PRODUCT PSA . |
| 3.0 - 10cc/l | Hydrogen peroxide (35%) . |
| 0.5 - 1.0 g/l | Detergent /wetting agent. |
| 0.3 - 0.5 g/l | Product EP 60 . |

3 - Cold pad Batch :

a - 100% cotton :

| | |
|-------------|-----------------------------|
| 15 - 25 g/l | Caustic soda 100% |
| 10 - 12 g/l | PRODUCT PSA |
| 35 - 60cc/l | Hydrogen peroxide (35%) . |
| 3 - 10 g/l | Detergent / wetting agent . |
| 1 - 2 g/l | product EP 60 . |

b - Cotton / Polyester :

| | |
|--------------|-----------------------------|
| 10 - 15 g/l | Caustic soda 100% |
| 8 - 10 g /1 | PRODUCT PSA . |
| 20 - 40 cc/1 | Hydrogen peroxide (35%) . |
| 2 - 8 g/l | Detergent / wetting agent . |
| 1 - 2 g/l | product EP 60 . |

c - With Oxidative Desize :

| | |
|-------------|-----------------------------|
| 5 g/l | Sodium perborate . |
| 15 - 30 g/l | Caustic soda 100% |
| 50 -70 cc/1 | Hydrogen peroxide (35%) . |
| 8 - 10 g/l | PRODUCT PSA . |
| 3 - 10 g/l | Detergent / wetting agent . |
| 1 - 2 g/l | product EP 60 . |

4 - Pad Steam (Atmospheric) :

a - 100% Cotton following alkali pre-scour :

| | |
|-------------------|---------------------------|
| e.g. wet on wet . | |
| 5 - 10 g/l | Caustic soda . |
| 8 - 10 g /1 | PRODUCT PSA . |
| 20 - 30 cc/1 | Hydrogen peroxide (35%) . |

b - Cotton-Polyester following desize only :

| | |
|--------------|---------------------------|
| 5 - 10 g/l | Caustic soda . |
| 8 - 10 g /1 | PRODUCT PSA . |
| 20 - 40 cc/1 | Hydrogen peroxide (35%) . |

Please stir well before use.

Stability 12 months from production

Keep @ temperature max. 40°C.