

<b>Trade Name</b>  <b>TP White Plus</b>	<b>Identification</b>  <b>Board Paper</b>	<b>Basis Weight Range</b>  <b>210 ~ 350 g/m<sup>2</sup></b>
<b>Supplier's Name</b>  <b>Suzano Papel e Celulose S.A.</b>	<b>Address</b>  <b>Dr. Prudente de Moraes Street, 4006 – Areião  08613-900 – Suzano – SP – Brazil  Phone 55 11 3636-5328  Fax 55 11 4748-6977  www.suzano.com.br</b>	

### Basis Composition

- **Virgin Pulp (Polysaccharide, CAS number 9004-34-6) : BEKP ECF (bleached eucalyptus kraft pulp – elemental chlorine free) 80% by weight**
- **Coating: GCC (ground calcium carbonate, CAS number 471-34-1) 14.5% by weight**
- **Binder: Starch, (CAS number 9005-25-8) 5% by weight**
- **Auxiliary Chemical: Dyes; Optical Brightness and Biocide, <0.5% by weight**

### Uses and Applications

- **Packing**

### Physical and Chemical Characteristics

- **Appereance: Solid**
- **Color: White.**
- **Odor: Odorless**
- **pH : 8,0 ~9,5 (surface pH typical values)**
- **Solublity in water: Insoluble; dispersable though beating**
- **Boiling Point: Not applicable or available**

### Harzards Identification

- **Dangerousness: No relevant information found**
- **Hazardousness : No relevant information found**
- **Environmental Influence: No relevant information**

## First Aids

- **Eye Contact;** Same as general foreign particles, wash with water and consult a doctor if necessary
- **Skin Contact:** May cause very minor irritation to some very sensitive skin
- **Inhalation and Ingestion:** May cause very minor irritation some very few people

## Fire and Explosion Hazard Data:

- **Ignition Point:** 482 °F (250 °C)
- **Unusual Fire and Explosion Hazards:** Not applicable
- **Special Fire Fighting Procedures:** Use self contained breathing apparatus and protective clothing for fighting large paper fire
- **Extinguishing Média:** Use Water, CO<sub>2</sub>, Foam or Dry Chemical
- **Extinguishing Method:** Any of above kinds will do

## Caution in Handling and Storage

### Precautions to be taken in handling

- Sharp edged tools like knife, forklift and etc should handled carefully to avoid any damage to the paper
- Better use goggles and hand-gloves while cutting the strapping band

### Storage Cautions

- Store in the clean and conditioned storage with adequate ventilation
- The product is for industrial use only
- 73,5 ± 1,8°F (23 ± 1,0 °C ) and 50 ± 1% Rh (preferred atmosphere )
- 80,6 ± 1,8°F (27 ± 1,0 °C ) and 65 ± 2% Rh (for tropical countries ) source ISO 11093-2 : 1994

### Other Precautions

- Don't expose to the sunlight directly to avoid light fastness.
- Avoid temperature >480 °F. Any use of the product in elevated temperature process should be thoroughly analyzed to assure that safe operating conditions are established maintained.

## Fiber Resources

- Virgin Pulp make with eucalyptus wood deriving from sustainable forests certified on FSC.
- ECF bleached process (Elementary Chlorine Free) managed in accordance with ISO 14001 environmental standard.

## Chemical Contents

	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromim (Cr)
Unit	ppm	ppm	ppm	ppm
Method	AAS	AAS	AAS	AAS
Typical Values	Not Detected	Not Detected	Not Detected	Not Detected

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