



## TECHNICAL DATA SHEET

**TDS 015**Revision:  
06Date:  
01/19/17Page:  
1/1

### BREUTEX

100% Elliotti Rosin obtained by distillation of sap collected from pinnus trees (live).

#### VERIFICATIONS

Property	UN	Specification	Test method
Color Gardner (50% em Tolueno)	%	Máx. 7	ML RB 010
Color US Standard	-	WW-X	ML RB 011
Acid Number	Mg KoH/g	155 – 170	ML RB 012
Melting/Softening Point(Ring and Ball)	°C	70 – 78	ML RB 013
Solubility in Ethanol	%	Soluble	ML RB 014
Crystallization in acetone	h	Mín. 24h	ML RB 015
** Saponification Number	Mg KoH/g	162 – 177	ML RB 016
** Volatile Oils Content	L/100kg	Máx. 1	ML RB 017
** Insoluble in Toluene	%	Máx. 0,05%	ML RB 018

\*\* Sporadically tested properties for reference only.

#### APPLICATIONS

- Rosin Derivaties, depilatory wax etc.

#### BENEFITS

- Renewable source product;
- Improves adherence and transparency of glues and adhesives;
- Improves adherence and Good reactivity to preparation derivatives such as esters and reactions with maleic anhydride and fumaric acid;
- Improves astringency and hardness of saponified materials (soap).

#### PACKAGING

Type	Size	Shelf life
Zinc Steel Drum	250kg	18 months
Cartons (solid)	25 kg	18 months
Multiwall Kraft paper bags (solid)	25 kg	18 months
Braided polypropylene bags	25kg	6 months
Cartons (flakes)	25kg	6 months
Multiwall Kraft paper bags (flakes)	25kg	6 months

#### DISCLAIMER

To prevent accidents and impacts environmental, please check the product SDS.



We request our customers to test our products before using them on industrial scale. The user of our products bears the responsibility of determining their suitability for a particular application or formulation, or determining that the products or their use do not infringe any intellectual property. We do not assume any responsibility or warranty, expressed or implied, resulting from handling, usage and storage whether performed according to the instructions contained in this document, whether used alone or in combination with other products. The buyer assumes all responsibility and liability for loss or damage arising from the handling and use of our products, either alone or in combination with other products.

**Elaborated by:** Rafaela Silva**Revision by:** Antônio Vieira**Approved by:** Francisco Fernandez