



# Product Data Sheet

## De-Sol 300

### Rosin Emulsion Size

**De-Sol 300** is a Pseudo-Neutral emulsion Size. It is a light viscous liquid emulsion and highly efficient product for Paper & Paperboard Sizing.

**De-Sol 300** can be used over a wide pH range from 4.5 to 7.0 but the best economic results can be obtained between pH 5.0 to 6.0.

#### BENEFITS

- **Effective over a wide pH range**
- **Reduce Alum Consumption**
- **Better Retentions**
- **Reduce Color Reversion**
- **Improve Machine Life**
- **Easy Handling and Storage**
- **Cost Effective**

#### TYPICAL PROPERTIES

Appearance.....Milky White Liquid  
pH .....6.25 - 6.50  
Free Rosin .....93-95 %  
Total Solids .....30 ± 1 %  
Viscosity at 30C .....13-15 cps  
Specific Gravity at 30C .....1.01-1.03  
Solubility..... Freely Soluble in Water  
Shelf Life .....180 days

#### Application

**De-Sol 300** is mild cationic Dispersed Rosin Size and commonly known as neutral-size/dispersed rosin. It is freely soluble in water at room temperature, can be used as such or in diluted form in combination with Alum (Ferric / Non-Ferric/ PAC) to attain the desired Cobb value.

**De-Sol 300** is self retaining and more attractive to anionic pulp due to its cationic charge, hence it improves retention in the paper making system.

**De-Sol 300** requires less Alum than other type of rosin sizes and optimized values of Alum and **De-Sol 300** can be obtained by maintaining the pH range 5.4 to 5.7.

**De-Sol 300** is a very stable emulsion that can be metered easily by using either mode i.e. Direct Addition to machine/blend chest or through Dosing Pumps, in accordance with the controlled procedures DESCON establishes for De-Sol 300 application.

#### PACKGING, HANDLING & STORAGE

**De-Sol 300** is available in 220kg HDPE Drums and 1000 kg Tote Bins.

**De-Sol 300** is advised to be stored under shed away from direct sunlight. This product requires storing temperature between 10°C-25°C. Leaving drums open should be avoided to prevent any layer formation on the liquid surface.

#### SAFETY, HEALTH, ENVIRONMENTAL AND REGULATORY APPROVALS

Contact DESCON Representative for details.

Users are advised to observe all the safety measure shown on the label and study the Material Safety Data Sheet thoroughly before use. Buyer assumes the risk of any use contrary to such directions. The above mentioned chemical properties are based on the careful lab analysis at different intervals and may not represent the normal batch wise variation. There is no warranty expressed or implied associated with these values. Users are advised to perform their own tests to observe the safety and compatibility with each or in combination of products to be used with this product. Unless otherwise agreed in writing, buyers and users assumes all responsibility and liability for any loss and damage resulting from the handling and use of Descon Chemicals Limited product, whether used alone or in combination with other products.