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## RESINA 8/WR

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### GLYCEROL ESTER OF WOOD ROSIN SUBJECTED TO COUNTER-CURRENT STEAM DISTILLATION

RESINA 8/WR is a glycerol ester of wood rosin, solid clear, pale yellow thermoplastic resin. RESINA 8/WR is produced from glycerol (vegetable origin) and wood rosin purified by counter-current steam distillation, special for the beverage industry.

#### PRODUCT SPECIFICATIONS:

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Acid Number	3-9
Softening Point (Ring & Ball)	81-89°C (178-192 °F)
Softening point (Drop method)	88-96°C (191-204 °F)
Color USDA, Rosin Scale	N Max.

#### TYPICAL PROPERTIES:

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Acid Number	7
Softening Point (Ring & Ball)	85°C (185 °F)
Softening Point (Drop method)	92°C (198 °F)
Color USDA, ROSIN SCALE	WG
Density at 25°C (kg/lit.)	1.05

#### COMPATIBILITIES / SOLUBILITIES:

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RESINA 8/WR is compatible in useful proportions with all raw materials used in beverage manufacturing.

Soluble in aromatic and aliphatic hydrocarbons, terpenes, esters, ketones and citrus, and most other essential oils. Insoluble in lower-weight alcohols.

#### TYPICAL USES:

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RESINA 8/WR is manufactured especially for use in oil-based citrus flavorings for beverages. It increases the density of citrus oils which results in improved stability and clouding agent when they are dispersed in the finished beverage.

#### AVAILABLE FORMS:

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Solid in galvanized (light-gauge metal) drums (225 kgs. or 496 lbs., net weight). Pellets in polyethylene barrier bags type with nitrogen atmosphere and sealed immediately to improve

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Technical department

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protection against aging and oxidation (25 kgs. or 55 lbs., net weight), and fiber drums (182 kgs. or 401 lbs., net weight).

### **PRODUCT SAFETY:**

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A Material Safety Data Sheet should be obtained prior to the use of this product.

### **STORAGE AND INVENTORY CONTROLS**

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This product should be stored under the following conditions:

- 1.- At no more than 30°C.
- 2.- Not near steam pipes or other sources of heat.
- 3.- Storage of open bags is not recommended.

It is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first.

### **LEGAL STATUS**

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US FDA: Section 172.735: Glycerol Ester of Wood or Gum Rosin direct additive to adjust the density of citrus oils in the preparation of beverages.

US DOT: Not regulated.

EU E445: Approved Food Additive in EU.

It is also approved in Canada, and by numerous other regulatory agencies and scientific bodies worldwide.

Contains no ingredients of animal origin.

Contains no ingredients that are GMOs.

Other information is available on request.

This information and suggestions herein are based upon our experience and data believed to be reliable. No warranty is made as to accuracy or completeness. It is the user's responsibility to determine the suitability and completeness of this information for the particular use. Since application conditions are beyond our control, we cannot guarantee results.

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