

# FloraRez™ G85

Glycerol Ester of Rosin

## Description

FloraRez G85 is the glycerol ester of gum rosin, sometimes referred to as "ester gum". It is a pale colored thermoplastic resin that has low odor and low acid number. It is used as a resin component in various adhesives, inks, coatings, and personal care compositions.

## Applications

- Adhesives and sealants: pressure sensitive, hot melt, solvent, and emulsion
- Tapes and labels
- Inks, coatings, lacquers
- Rubber and plastics modification
- Cosmetics, depilatory waxes

Properties	Sales Specifications	Typical
Color, Gardner, maximum	8	6
Acid Value, mg KOH/g, maximum	12	7
Softening Point, Ring & Ball, °C minimum	80 - 94	86
Density @25°C, kg/l		1.08

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Packaging	Form	Net Weight
Bag, multiwall kraft paper	Pastilles	25 kg

## Storage and Handling

Store inside or under roof in original packaging. Keep dry. Avoid freezing and excessive heat. Heat and pressure from stacking pallets may increase the tendency of pastilles to fuse or lump. We request our customers to test our products before using them on industrial scale. Due to the thermoplastic behavior, pastillated and flaked resins may fuse, block or lump. This can be accelerated under any of the following conditions: 1) above 25°C temperature 2) prolonged storage 3) pressure, e.g., stacking pallets, or a combination of these conditions. This is particularly applicable for low softening point resin grades. In order to maintain the flake or pastille shape, we therefore recommend storing the material in a temperature-controlled area; be careful with stacking material or applying pressure and preventing prolonged storage. It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted. Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. 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.

## Features and Benefits

- Natural, renewable
- Thermoplastic
- Pale color
- Emulsifiable
- Low odor
- Tacky
- Wide compatibility
- Broad solubility

Compatible with	Soluble in
Natural and synthetic rubber; ethylcellulose; chlorinated rubber; SIS and	Esters; ketones; higher alcohols; glycol ethers; and aliphatic, aromatic, and

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SBS block copolymers; EVA; neoprene latex; acrylic resins; waxes; plasticizers

chlorinated hydrocarbons. Insoluble in ethanol and methanol.

## Regulatory/Classifications

CAS Number	8050-31-5
DOT Shipping Classification	Not Regulated
Harmonized Tariff Code	380630
INCI (International Nomenclature of Cosmetic Ingredients)	Glyceryl Rosinate
US FDA	21 CFR 175.105 21 CFR 175.125 21 CFR 175.300 21 CFR 175.320 21 CFR 175.380 21 CFR 175.390 21 CFR 176.210 21 CFR 177.1210 21 CFR 177.2600

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