

# FloraRez™ DR140

Polymerized Rosin

## Description

FloraRez DR140 polymerized rosin is produced by partial dimerization of gum rosin. This catalytic polymerization processing results in a high dimeric acid content and very high softening point while maintaining the acid functionality of rosin. This resin is pale, thermoplastic, and crystallization-resistant, and is less prone to oxidation than unmodified rosin. The high acid functionality promotes specific adhesion to a variety of substrates.

## Applications

- Hot melt adhesives for packaging, product assembly, flooring, and construction
- High acid value reactant in numerous applications
- Pressure sensitive adhesives
- Caulks and sealants
- Inks, varnishes, coatings, lacquers
- Solder fluxes

Properties	Sales Specifications	Typical
Color, Gardner, maximum	10	8
Acid Value, mg KOH/g, minimum	140	146
Softening Point, R&B, °C	135 - 145	140
Density @25°C, kg/l		1.08

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Revision June 2016 Page 1 of 2

# FloraRez™ DR140

Packaging	Form	Net Weight
Bag, multiwall kraft paper	Pastilles	25 kg
Drum, light gauge steel	Solid	225 kg

## Storage and Handling

Store inside or under roof in original packaging. Keep dry. Avoid freezing and excessive heat.

## Features and Benefits

- Natural, renewable
- Resistant to oxidation
- Pale color
- Thermoplastic
- Acid functionality
- Non-crystallizing
- Wide compatibility
- High softening point

Compatible with	Soluble in																		
Ethylcellulose, natural and synthetic rubbers and film-formers, polychloroprene, drying oils, alkyd resins, shellac, low molecular weight polyethylene, paraffin and microcrystalline waxes	Higher molecular weight alcohols, esters, ketones, hydrocarbons, and chlorinated solvents. Insoluble in methanol, ethanol, isopropanol and water.																		
Regulatory/Classifications																			
CAS Number	65997-05-9																		
DOT Shipping Classification	Not Regulated																		
Harmonized Tariff Code	380690																		
INCI (International Nomenclature of Cosmetic Ingredients)	Polymerized Rosin; Dimer Rosin																		
US FDA	<table border="0"> <tr> <td>21 CFR 175.105</td> <td>21 CFR 176.210</td> </tr> <tr> <td>21 CFR 175.125</td> <td>21 CFR 177.1200</td> </tr> <tr> <td>21 CFR 175.300</td> <td>21 CFR 177.1210</td> </tr> <tr> <td>21 CFR 175.320</td> <td>21 CFR 177.1400</td> </tr> <tr> <td>21 CFR 175.380</td> <td>21 CFR 177.2600</td> </tr> <tr> <td>21 CFR 175.390</td> <td>21 CFR 178.3120</td> </tr> <tr> <td>21 CFR 176.170</td> <td>21 CFR 178.3800</td> </tr> <tr> <td>21 CFR 176.180</td> <td>21 CFR 178.3850</td> </tr> <tr> <td>21 CFR 176.200</td> <td>21 CFR 178.3870</td> </tr> </table>	21 CFR 175.105	21 CFR 176.210	21 CFR 175.125	21 CFR 177.1200	21 CFR 175.300	21 CFR 177.1210	21 CFR 175.320	21 CFR 177.1400	21 CFR 175.380	21 CFR 177.2600	21 CFR 175.390	21 CFR 178.3120	21 CFR 176.170	21 CFR 178.3800	21 CFR 176.180	21 CFR 178.3850	21 CFR 176.200	21 CFR 178.3870
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