

FloraRez™ LRL

Liquid Resin

Description

FloraRez LRL liquid resin is the methyl ester of partially hydrogenated gum rosin. It is a transparent, clear to pale yellow, tacky viscous liquid that is specially processed to minimize product odor. It is used to plasticize, add tack to, or modify properties of a variety of formulations. In fragrance compounds, it serves as a diluent, carrier, and fixative.

Applications

- Adhesives
- Inks, coatings, lacquers
- Fragrance compounds
- Cosmetics, depilatory waxes
- Rubber, vinyl, and plastics

| Properties | Sales Specifications | Typical |
|------------------------------------|----------------------|---------|
| Color, Gardner, maximum | 6 | 3 |
| Acid Value, mg KOH/g | 4 - 8 | 6 |
| Viscosity, Brookfield@25°C, mPa ·s | 3000 - 7000 | 4700 |
| Refractive Index @20°C | | 1.519 |
| Density @25°C, kg/l | | 1.03 |

The information herein is believed to be accurate and is offered for your consideration and verification. Buyer assumes all risk from the use, storage and/or handling of the product. Florachem makes no warranties, express or implied, as to the accuracy or utility of these data or suitability of products for a particular use. The products supplied by Florachem are for manufacturing use only and are supplied based on specifications. Read and understand the Safety Data Sheet (SDS) before using this product. Revision June 2016 Page 1 of 2

FloraRez™ LRL

| Packaging | Form | Net Weight |
|-------------------------------|--------|------------|
| Drum, tight head, lined steel | Liquid | 200 kg |

Storage and Handling

Store inside or under roof in original packaging. Keep dry. Avoid freezing and excessive heat. Product may be poured or pumped at ambient temperature; slight warming may facilitate flow.

Features and Benefits

- Natural, renewable
- Resistant to oxidation
- Pale color
- Low odor
- Hydrogenated
- Wide compatibility
- Liquid resin

| Compatible with | Soluble in | | | | | | | | | | | | | | | | | | | | |
|--|--|----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|
| Other harder hydrogenated rosin resins; natural and synthetic resins and rubber; chlorinated rubber; nitrocellulose; ethylcellulose; polyvinyl chloride; vinyl acetate-chloride copolymers; polyvinyl ethers; waxes; aroma chemicals | Alcohols, esters, ketones, ethers, coal tar, petroleum hydrocarbons, and vegetable and mineral oils. Insoluble in water. | | | | | | | | | | | | | | | | | | | | |
| Regulatory/Classifications | | | | | | | | | | | | | | | | | | | | | |
| CAS Number | 8050-15-5 | | | | | | | | | | | | | | | | | | | | |
| DOT Shipping Classification | Not Regulated | | | | | | | | | | | | | | | | | | | | |
| Harmonized Tariff Code | 380690 | | | | | | | | | | | | | | | | | | | | |
| INCI (International Nomenclature of Cosmetic Ingredients) | Methyl Hydrogenated Rosinate or Hydrogenated Methyl Abietate | | | | | | | | | | | | | | | | | | | | |
| US FDA | <table border="0"> <tr> <td>21 CFR 172.515</td> <td>21 CFR 176.210</td> </tr> <tr> <td>21 CFR 172.615</td> <td>21 CFR 177.1200</td> </tr> <tr> <td>21 CFR 175.105</td> <td>21 CFR 177.1210</td> </tr> <tr> <td>21 CFR 175.125</td> <td>21 CFR 177.1400</td> </tr> <tr> <td>21 CFR 175.300</td> <td>21 CFR 177.2600</td> </tr> <tr> <td>21 CFR 175.320</td> <td>21 CFR 178.3120</td> </tr> <tr> <td>21 CFR 175.390</td> <td>21 CFR 178.3800</td> </tr> <tr> <td>21 CFR 176.170</td> <td>21 CFR 178.3850</td> </tr> <tr> <td>21 CFR 176.180</td> <td>21 CFR 178.3870</td> </tr> <tr> <td>21 CFR 176.200</td> <td>21 CFR 73.1 (b)</td> </tr> </table> | 21 CFR 172.515 | 21 CFR 176.210 | 21 CFR 172.615 | 21 CFR 177.1200 | 21 CFR 175.105 | 21 CFR 177.1210 | 21 CFR 175.125 | 21 CFR 177.1400 | 21 CFR 175.300 | 21 CFR 177.2600 | 21 CFR 175.320 | 21 CFR 178.3120 | 21 CFR 175.390 | 21 CFR 178.3800 | 21 CFR 176.170 | 21 CFR 178.3850 | 21 CFR 176.180 | 21 CFR 178.3870 | 21 CFR 176.200 | 21 CFR 73.1 (b) |
| 21 CFR 172.515 | 21 CFR 176.210 | | | | | | | | | | | | | | | | | | | | |
| 21 CFR 172.615 | 21 CFR 177.1200 | | | | | | | | | | | | | | | | | | | | |
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| 21 CFR 175.320 | 21 CFR 178.3120 | | | | | | | | | | | | | | | | | | | | |
| 21 CFR 175.390 | 21 CFR 178.3800 | | | | | | | | | | | | | | | | | | | | |
| 21 CFR 176.170 | 21 CFR 178.3850 | | | | | | | | | | | | | | | | | | | | |
| 21 CFR 176.180 | 21 CFR 178.3870 | | | | | | | | | | | | | | | | | | | | |
| 21 CFR 176.200 | 21 CFR 73.1 (b) | | | | | | | | | | | | | | | | | | | | |

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