



# TECHNICAL DATA

## RESIN CH

### CAS# 65997-06-0

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### Partially Hydrogenated Rosin

**RESIN CH** is a low color, thermoplastic resin made of partially hydrogenated natural gum rosin. Its hydrogenation process gives it outstanding properties such as low-stable color, oxidation and aging resistance. Widely used as raw material for the manufacture of synthetic resins, metal resins and other products, obtaining higher qualities than using gum, tall oil or wood rosin.

#### Product Specifications

Appearance.....Transparent solid  
Melting Point (R & B).....70-80° C  
Acid Number.....160 - 165  
Gardner Color.....5-6

#### Typical Properties

Melting Point (R & B).....72° C  
Acid Number.....161  
Gardner Color (50% WS).....4  
Specific Gravity 20°C.....1.05  
% Abietic Acid.....1.8

#### Compatibility and Solubility

**RESIN CH** is compatible in useful proportions with alkyds; natural and synthetic rubbers; natural resins, ethylcellulose; waxes; plastic polymers; elastomeric polymers; metallic pigments; and many other raw materials.

It is soluble in ketones, esters, hydrocarbons, alcohols and chlorinated solvents. Insoluble in water.

#### Typical Uses

**RESIN CH** is used in the manufacture of synthetic resins, metallic resins, adhesives, coatings and in the process of natural, synthetic and reclaimed rubber.

#### Packaging

55-lbs. net in bags, prilled.

#### Product Safety

A Material Safety Data Sheet should be obtained prior to using this product.

#### Country of Origin

China

#### Storage and Inventory Controls

We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.

If material is stored near heat sources or outside warehouse in hot weather, it may fuse, lump or block. Oldest material should ALWAYS be used first. Flaked or crushed form is prone to gradual oxidation, so it should be kept away from humidity and air currents. Storage of open bags is not recommended. Oxidation will cause darkening and adverse effects on resin properties. Control of inventory must be observed at all times.

#### FDA Status

**RESIN CH** has been approved by the FDA (U.S. Food and Drug Administration) to be used in contact with food, food-packaging and food process operations in Title 21 under the following sections:

- 175.105 Adhesives
- 175.125 Pressure-sensitive adhesives
- 175.300 Resinous and polymeric coatings
- 175.320 Resinous and polymeric coatings for polyolefin films
- 175.390 Zinc-silicon dioxide matrix coatings
- 176.170 Components of paper and paperboard in contact with aqueous and fatty goods
- 176.180 Components of paper and paperboard in contact with dry food
- 176.200 Defoaming agents used in coatings
- 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 177.1200 Cellophane
- 177.1210 Closure with sealing gaskets for food containers
- 177.2600 Rubber articles intended for repeated use
- 178.3120 Animal glue
- 178.3800 Preservatives for wood
- 178.3850 Reinforced wax
- 178.3870 Rosins and rosin derivatives