

## **RiNyl-Cx**

Pentaerythritol Tetra Caprylate

HSN: 2915

### **Description**

RiNyl-Cx is a fatty acid ester made from 100% renewable raw materials derived from plant origin. It has versatile properties that allows it to act as: an emulsifier, lubricant, etc.

### **Characteristic Values\***

| Properties   | Units                | AOCS Test Method | RiNyl-Cx PETC     |
|--|----------------------|------------------|-------------------|
| <b>Physical:</b>                                   |                      |                  |                   |
| Appearance   | @ 25°C               | Visual           | Lt. Yellow Liquid |
| Clarity <small>molten form</small>                 | Gardner Tube         | Visual           | Clear             |
| Color <small>molten form</small>                   | Gardner Scale        | Visual           | 2 max             |
| Moisture   | %                    | Ca 2c-25         | 0.3 max           |
| Viscosity <small>bubble secs</small>               | @ 25°C Gardner Tube  | Tq 1a-64         | 2 +/- 1           |
| Emulsion. <small>5% disp. in hot water w/w</small> | @ 25°C               | Visual           | Stable            |
| <b>Chemical:</b>                                   |                      |                  |                   |
| Acid Value   | mg KOH/g             | Cd 3d-63         | 1 max             |
| Saponification Value                               | mg KOH/g             | Cd 3-25          | 315 – 350         |
| Iodine Value                                       | cg I <sub>2</sub> /g | Tg 1-64          | 1 max             |
| Hydroxyl Value                                     | mg KOH/g             | Cd 13-60         | 5 max             |
| Soap as K Stearate                                 | %                    | ROML             | 7 +/- 1           |

\*Slight variations in the characteristic values stated are possible due to production made out of natural raw materials but it shall have no influence on its application functionalities.

**Packing:** In Plastic Barrels (net wt. 200 kgs)

**Shelf Life / Storage:** The shelf life for this material is 12 months from manufacturing date when stored in a cool place (< 35°C), in tightly closed packaging, protected from dust, heat, & moisture.

### **Applications**

| Industry: Personal Care | Key Role   | Benefits                            |
|-------------------------|------------|-------------------------------------|
| Creams                  | Emulsifier | Emolliency, Smooth-Feel, Nourishing |

**Authorization:** (sign not necessary if emailed doc.)

| Approved by: | Approved by: | Approved by: |
|--------------|--------------|--------------|
| TECH: EX     | MFGN: EX     | MKTG: EX     |

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