

Ricinash Oil Mill Limited

202/203 Magnum Opus, Shantinagar Industrial Estate,
 Vakola, Santacruz (E), Mumbai – 400055, INDIA
 Tel: +91 22 66963707 | Email: info@ricinash.com
 CIN No. U15140MH1997PLC105499



Product Data Sheet - rev.01/04/19

RiFine-Rx₃

Polyglycerol Polyricinoleate

HSN: 2915

Description

RiFine-Rx₃ is a fatty acid ester made from 100% renewable raw materials derived from plant origin. It has versatile properties that allow it to act as: an emulsifier, viscosity agent, structurant, etc.

Characteristic Values*

| Properties | Units | AOCS Test Method | RiFine-Rx ₃ PGPR |
|--------------------------------------|------------------------------------|------------------|-----------------------------|
| Physical: | | | |
| Appearance | @ 30°C | Visual | Lt. Brown, Viscous liquid |
| Clarity | @ 30°C | Visual | Clear – Star bright |
| Viscosity <small>bubble secs</small> | @ 30°C <small>Gardner Tube</small> | Tq 1a-64 | 40 – 55 secs |
| Moisture | % | Ca 2c-25 | 1 max. |
| Chemical: | | | |
| Acid Value | mg KOH/g | Cd 3d-63 | 6 max. |
| Saponification Value | mg KOH/g | Cd 3-25 | 175 – 195 |
| Iodine Value | cg I ₂ /g | Tg 1-64 | 75 – 95 |
| Hydroxyl Value | mg KOH/g | Cd 13-60 | 80 – 100 |

*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 Carbuoys (net wt. 35 kgs)

Shelf Life / Storage: The shelf life for this material is 12 months from manufacturing date when stored in a cool place (< 40°C), in tightly closed packaging, protected from dust, heat, & moisture.

Applications

| Industry: Personal Care | Key Role | Benefits |
|-------------------------|------------|-----------------------------------|
| Creams | Emulsifier | Emolliency, Structure, Lubricancy |
| Lipsticks | Emulsifier | Emolliency, Structure, Lubricancy |
| Soaps | Emulsifier | Emolliency, Structure, Lubricancy |
| Shampoos | Emulsifier | Emolliency, Structure, Lubricancy |
| Ointments | Emulsifier | Emolliency, Structure, Lubricancy |

Authorization: (sign not necessary if emailed doc.)

| Prepared by: | Approved by: | Released by: |
|--------------|--------------|--------------|
| EX – TECH | EX – MFNG | EX – MKTG |

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