

## **RiFine-Sx<sub>3</sub>**

Polyglycerol Stearate

HSN: 2915

### **Description**

RiFine-Sx<sub>3</sub> 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, structurant, etc.

### **Characteristic Values\***

Properties	Units	AOCS Test Method	RiFine-Sx <sub>3</sub> PG3S
<b>Physical:</b>			
Appearance	@ 25°C	Visual	Ivory Flakes
Clarity <small>molten form</small>	Gardner Tube	Visual	Clear
Color <small>molten form</small>	Gardner Scale	Visual	5 Max
Moisture	%	Ca 2c-25	1 Max
Melting Point	@ 25°C	Cc-1-25	54 +/- 3
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	6 Max
Saponification. Value	mg KOH/g	Cd 3-25	120 – 140
Iodine Value	cg I <sub>2</sub> /g	Tg 1-64	3 Max
Hydroxyl Value	mg KOH/g	Cd 13-60	230 – 250
HLB	@ 25°C	Std. Formula	7 – 8

\*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 Bags (net wt. 25 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, Structure, Lubricancy
Lipsticks	Emulsifier	Emolliency, Structure, Lubricancy
Soaps	Emulsifier	Emolliency, Structure, Lubricancy
Shampoos	Emulsifier	Emolliency, Structure, Lubricancy

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

Approved by:	Approved by:	Approved by:
TECH: EX	MFGN: EX	MKTG: EX

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