

**Ricinash Oil Mill Limited**

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Product Data Sheet - rev.01/04/19

# RiSoft-Dx

Glycerol Mono Stearate (Distilled)

HSN: 2915 EEC: E-471

**Description**

**RiSoft-Dx** 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, stabilizer, etc.

**Characteristic Values\***

Properties	Units	AOCS Test Method	RiSoft-Dx GMS distl
<b>Physical:</b>			
Appearance	@ 25°C	Visual	White Powder
Clarity <small>molten form</small>	Gardner Tube	Visual	Clear
Color <small>molten form</small>	Gardner Tube	Visual	1+ max.
Moisture	%	Ca 2c-25	1 max.
Melting Point	°C	Cc 1-25	67 +/- 2
<b>Chemical:</b>			
Acid Value	%	Cd 3d-63	3 max.
Saponification Value	mg KOH/g	Cd 3-25	150 – 170
Iodine Value	cg I <sub>2</sub> /g	Tg 1-64	3 max.
Hydroxyl Value	mg KOH/g	Cd 13-60	300 – 330
Monoglyceride	%	Cd 11b-91 (GC)	90 min.
HLB	@ 25°C	Std. Formula	3 – 5

\*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 (< 40°C), in tightly closed packaging, protected from dust, heat, & moisture.

**Applications**

Industry: Food	Function	Benefits
Breads	Emulsifier	Dough Softener, Excellent Starch Complexing, Good Anti-Staling
Cakes	Emulsifier	Excellent Aerating Properties
Ice-Creams/Frozen-Desserts	Emulsifier	Smooth Structure, Better Shape Retention
Coffee-Whiteners	Emulsifier	Excellent Emulsifier, Better Dispersibility
Gums	Emulsifier	Good Plasticizer for Gum base, Improves Handling & Gloss
Margarine/Shortenings/Peanut-Butter	Emulsifier	Stable Emulsion/Structure

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

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

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