



RiSoft-Gx/Nx/Kx

Glycerol Mono Stearate (GMS se/nse)

Description

RiSoft-Gx/Nx/Kx is made from renewable raw materials derived from plant origin. It has versatile properties that improve a product's chemistry/processability.

Characteristic Values*

Properties	Units	AOCS Test Method	<i>RiSoft-Gx</i> <i>GMS_{se}</i>	<i>RiSoft-Nx</i> <i>GMS_{nse}</i>	<i>RiSoft-Kx</i> <i>GMS_{se}</i>
Physical:					
Appearance	@ 25°C	Visual	Ivory Flakes	Ivory Flakes	Ivory Flakes
Clarity molten form	Gardner Tube	Visual	Clear	Clear	Clear
Color molten form	Gardner Scale	Visual	3 max	3 max	3 max
Moisture	%	Ca 2c-25	1 max	1 max	1 max
Melt Point	°C	Cc 1-25	57 +/- 3	57 +/- 3	57 +/- 3
Emulsion 5% disp. in hot water w/w	@ 25°C	Visual	Stable	Unstable	Stable
Chemical:					
Acid Value	mg KOH/g	Cd 3d-63	5 max	1.2 max	5 max
Saponification Value	mg KOH/g	Cd 3-25	145 – 165	168 – 183	145 – 165
Iodine Value	cg I ₂ /g	Tg 1-64	3 max	3 max	3 max
Hydroxyl Value	mg KOH/g	Cd 13-60	300 – 330	300 – 330	300 – 330
Monoglycerides	%	Cd 11b-91 (GC)	40 min	40 min	40 min
Free Glycerol	%	Cd 11b-91 (GC)	5 max	5 max	5 max
Soap as K Stearate	%	ROML	7 +/- 1	0.3 max	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 Bags (net wt. 25 kgs)

Shelf Life / Storage: Shelf life 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	Function	Benefits
Creams	Emulsifier	Emolliency, Structure, Lubricancy
Wet-Wipes	Emulsifier	Emolliency, Structure, Lubricancy
Ointments	Emulsifier	Emolliency, Structure, Lubricancy
Suppositories	Emulsifier	Emolliency, Structure, Lubricancy

The information given in this leaflet is based on our own research & development work and is correct to the best of our knowledge. We recommend that the actual users should conduct their own tests to determine the suitability of our products for their end use. Users should refer to the MSDS and other relevant data for safe handling. Our Company shall not be responsible for any loss, injury, damage, and patent or law infringement, resulting from the use of this information.