

RITA CORPORATION

GLYCOL AND GLYCERYL ESTERS



RITA
CORP

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RITA Corporation Brochure Catalog



General
Product Listing



Acritamers - Carbomers



Natural Butters



Cationic Compounds,
Conditioning and Styling Aids



Natural Oils



Emollients



Ritafactants - Anhydrous
Surfactant Blends



Emulsifiers



Ritafactants with Lactylate -
Sulfate Free Surfactants



Glycol and Glycerol Esters



Ritafactants - Sugar and Amino
Acids Based Surfactants



Lanolin and Lanolin Derivatives



Ritamulse SCG - Natural Emulsifier



Methyl Glucose Esters



Ritapan - Panthenol



GLYCOL AND GLYCERYL ESTERS

RITA Corporation offers a range of GLYCOL and GLYCERYL ESTERS (see Table I). These products are used in all types of emulsion systems. Since they have a low HLB, they function as a secondary emulsifier and form stable o/w emulsions with high HLB primary emulsifiers. Hence, these products are widely used for any o/w emulsions as well as oil dispersions. RITA GMS SE is the self-emulsifying version of GMS and does not necessarily need to be mixed with a high HLB emulsifier to form a stable o/w emulsion. These emulsifiers are hydrophobic and are soluble or dispersible in the oil phase. Glycol Stearates and RITASYNTH IP are also commonly used opacifiers and pearlizers in creams/lotions as well as surfactant systems.

PHYSICAL PROPERTIES

	RITA EGMS	RITA EGDS	RITA GMS	RITA GMS 90	RITA GMS SE	RITASYNTH IP
INCI NAME	Glycol Stearate	Glycol Distearate	Glycerol Stearate	Glycerol Stearate	Glycerol Stearate SE	Glycol Stearate, Stearamide AMP
APPEARANCE	Light cream flake	Light waxy flake	Off white flakes or granules	Off white flakes or granules	Off white flakes	White to cream flakes
ACID VALUE	4 Max	6 Max	6 Max	6 Max	3.5 Max	5 Max
SAPONIFICATION VALUE	180-188	190-199	155-170	N/A	138-152	175-184
MELT POINT, °C	54-58	60-63	55 Min	N/A	56-60	56.5-60.0

Glycol Stearate and Distearate

These two products are commonly referred to as EGMS and EGDS. They are composed of the mono and diesters of triple pressed stearic acid and ethylene glycol. These products have been used as emulsion stabilizers, opacifying agents, and emollient and viscosity builders in o/w emulsions. They are generally used in low concentrations, since they tend to build viscosity. Glycol Stearate and Distearate are also used to produce a pearly effect in shampoos, soaps, and other cosmetic products. They are added to the molten oil phase in emulsion systems and allowed to re-crystallize under controlled conditions to form emulsions. These products are supplied as light, waxy flakes and are typically used at 0.5-4%.

GLYCOL AND GLYCERYL ESTERS

Glyceryl Stearate

RITA offers two Glyceryl Stearate options available in flake form, RITA GMS and RITA GMS 90. These products differ by the monoester content. RITA GMS contains 40–60% monoester whereas RITA GMS 90 is 90% monoester. GMS is produced via an esterification reaction of glycerin and stearic acid. Glyceryl Stearate products are used in creams/lotions, powders, cleansers, make-up bases, foundations, hair conditioners and rinses, and suntan and sunscreen products. Glyceryl Stearate SE is the self-emulsifying form of Glyceryl Stearate that also contains sodium or potassium stearate.

Ritasynt IP

RITASynt IP is the combination of Glycol Stearate and Stearamide AMP. RITASynt IP imparts pearlescent effect and opacity to creams/lotions as well as body washes and shampoos. It also works as a co-emulsifier in o/w emulsions and will help to build viscosity and body in most formulations.

APPLICATIONS

- Skin creams/lotions
- Hair conditioners
- Sun care products
- Baby creams and lotions
- Body washes
- Shampoos
- Cleansers

CLAIMS

- Nonionic o/w co-emulsifiers
- Build viscosity in o/w emulsions and surfactant systems
- Pearlizer and opacifier



GLYCOL AND GLYCERYL ESTERS

HIGH MOISTURE HAIR CONDITIONER

DI Water	Q.S. to 100%
Esaflor OX-14B Guar Hydroxypropyltrimonium Chloride	0.35%
Ritasil SQ 2050 Silicone Quaternium-17	0.20%
RITA BTAC Behentrimonium Chloride	3.00%
RITA CA Cetyl Alcohol	6.00%
RITA GMS Glyceryl Stearate	2.00%
RITA Coconut Oil 76 Cocos Nucifera (Coconut) Oil	1.00%
RITA Argan Oil Argania Spinosa Kernel Oil	1.00%
Ritapan D Panthenol	0.50%
Amitose R Dihydroxypropyl Arginine HCl	0.50%
Ormigel XPU Hypnea Musciformis Extract, Gellidiala Acerosa Extract, Sargassum Filipendula Extract, Sorbitol	0.50%
Ritasil 949 Amodimethicone, Trideceth-12, Cetrimonium Chloride	1.00%
Phenoxyethanol Phenoxyethanol	1.00%

PEARLESCENT CONDITIONING SHAMPOO

DI Water	Q.S. to 100%
Ritafactant 138LG Lauryl Glucoside, Sodium Lauroyl Lactylate	10.00%
Ritafactant LS-30 Sodium Lauroyl Sarcosinate	10.00%
Ritataine Cocoamidopropyl Betaine	5.00%
Ritathix DOE PEG-120 Methyl Glucose Dioleate, Methyl Gluceth-10	0.50%
Ritaquta 400 Polyquaternium 10	0.35%
Ritasil SQ 2050 Silicone Quaternium-17	0.30%
Vegetamide 18-MEA NJS Cetearamidoethyl Diethonium Succinoyl Hydrolyzed Pea Protein	1.00%
RITA EGDS Glycol Distearate	1.00%
Ritapan DL Panthenol	0.20%
Phenoxyethanol Phenoxyethanol	1.00%

SULFATE FREE SHAMPOO

DI Water	Q.S. to 100%
Ritafactant 138 ANEC Decyl Glucoside, Sodium Lauroyl Lactylate, Disodium Coco-Glucoside Citrate	40.00%
Esaflor OX-14B Guar Hydroxypropyltrimonium Chloride	0.75%
Rita GMS Glyceryl Stearate	1.50%
Ritasynt IP Glycol Stearate, Stearamide AMP	2.00%
Moringa Oil Moringa Oleifera Seed Oil	0.10%
Ritasil SQ 2050 Silicone Quaternium-17	0.30%
Vegetamide 18-MEA NJS Cetearamidoethyl Diethonium Succinoyl Hydrolyzed Pea Protein	0.20%
Profesil LH Hydrolyzed Silk PG-Propylmethylsilanediol Crosspolymer	0.15%
Ritapan D Panthenol	0.20%
Phenoxyethanol Phenoxyethanol	1.00%

MOISTURIZING BODY WASH

DI Water	Q.S. to 100%
Esaflor OX-14B Guar Hydroxypropyltrimonium Chloride	0.75%
Ritafactant SFE Lauryl Glucoside, Sodium Lauroyl Sarcosinate, Disodium Cocoamphodiacetate	40.00%
RITA EGMS Glycol Stearate	1.50%
Ritalac ISL Sodium Isostearoyl Lactylate	2.00%
Ritalac 138C Sodium Lauroyl Lactylate	2.00%
RITA Coconut Oil 76 Cocos Nucifera (Coconut) Oil	7.00%
Ritaloe 1X Aloe Barbadensis Leaf Juice	1.00%
Phenoxyethanol Phenoxyethanol	1.00%



RITA

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Eco-Friendly Meets Zero Waste Innovation

Substantially Anhydrous Surfactants

Low water, specialty surfactants ideal for use in water-soluble pre-dosed applications.

Free from sulfates, preservatives, parabens, dioxane, phthalates, silicones, PEGs and EO.

- Green & Clean
- Plant-based Ingredients
- High Foaming
- USDA Biobased Certified
- RSPO MB Certified Palm
- NO PROP 65 Substances
- Readily Biodegradable



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