

RITA CORPORATION

RITAPAN

Pro-Vitamin B5 for Skin, Hair and Nails



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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



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For literature, prototypes and technical information: rdlab@ritacorp.com

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The word Panthenol comes from the Greek “pantother” meaning “everywhere”. Found in all living organisms, it is an essential nutritional component that plays a role in formation of Coenzyme A.

The most important substance involved in cellular metabolism, Coenzyme A, converts amino acids, steroids, fatty acids, etc., to energy through the citric acid cycle (Krebs Cycle). Panthenol is a precursor of vitamin B5 with well documented clinical benefits in skin, hair, and nail care. The first commercial product, Bepanthen ointment, containing Panthenol was developed over 70 years ago.

Panthenol is supplied in two different chemical forms. 1) The Dextrorotary isomer d-Panthenol, and 2) the racemic form dl-Panthenol. The d-Panthenol has twice the physiological activity of the racemic form dl-Panthenol.

- **RITAPAN D**

INCI NAME: Panthenol

- **RITAPAN DL**

INCI NAME: Panthenol

- **RITAPAN DL 50%**

INCI NAME: Panthenol

- **RITAPAN EE**

INCI NAME: Panthenyl Ethyl Ether

Physical Properties (Typical)

	APPEARANCE	OPTICAL ROTATION	ASSAY	ACTIVITY as D isomer
RITAPAN D	Clear, viscous liquid	+29.0 to +31.5	98% Min	100%
RITAPAN DL	White powder	-0.05 to +0.05	98% Min	50%
RITAPAN DL 50%	Clear liquid	-0.05 to +0.05	50% Min	25%
RITAPAN EE	Clear, viscous liquid	+27.5 to +30.0	97% Min	100%

Features and Benefits:

- Restores and maintains natural skin moisture and protects the skin barrier
- Stimulates cell proliferation and soothes skin due to irritation
- Penetrates hair roots and shafts repairing and strengthening damaged hair
- Deposits and adheres to damaged hair areas preventing split ends
- Attracts and holds moisture on hair and skin
- Improves the appearance of scars
- Improves the flexibility and strength of nails

CLAIMS

PETA/Vegan compliant
No palm
Globally approved

FREE FROM

Sulfates
Parabens
Dioxane
Phthalates
Silicones
Cruelty
PEGs
EO



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In Hair Care

Panthenol penetrates the hair shaft to the cortex, which increases the diameter of the hair fiber, adds elasticity and strength. It is considered a conditioning agent which leaves the hair full, moisturized, lustrous, and natural. The softening properties of Panthenol eliminate brittleness in hair. It is used in shampoos, conditioners, and hair styling products.

Panthenol repairs and strengthens damaged hair, reduces split ends, and increases tensile strength. The effects on damaged hair are due to the penetrating and coating action of this material on the hair shaft. The selective deposition puts Panthenol on the damaged areas where it is needed and prevents buildup.

Panthenol functions effectively as a plasticizer for film formers used in hair sprays and styling products. It imparts sheen, luster and manageability while leaving the hair looking full and natural without oiliness or stickiness.

CONDITIONING SHAMPOO

DI Water	Q.S. to 100%
Esafflor EC4 Guar Hydroxypropyltrimonium Chloride	0.30%
Ritasil 949 Amodimethicone, Trideceth-12, Cetrimonium Chloride	1.00%
Phenoxyethanol Phenoxyethanol	1.00%
Citric Acid 50% Solution	Q.S.
Ritafactant 138ANEC MB Decyl Glucoside, Sodium Lauroyl Lactylate, Disodium Coco-glucoside Citrate	27.00%
RITAFACANT LS-30 Sodium Lauroyl Sarcosinate	10.00%
Ritapan D Panthenol	0.50%
RITA EGMS Glycol Stearate	2.00%
Ritaquta 400 Polyquaternium-10	0.30%
Ritathix DOE Peg-120 Methyl Glucose Dioleate, Methyl Gluceth-10	Q.S.
Vegetamide 18MEA-NJS Cetearamidoethylidethonium Succinoyl Hydrolyzed Pea Protein, Glycerin	1.00%

LEAVE-IN CONDITIONER

DI Water	Q.S. to 100%
RITA Glycerin, USP 99.7% Glycerin	1.50%
Ritapan D Panthenol	1.00%
RITA CTAC Cetrimonium Chloride	2.00%
Ritaquta 7 Polyquaternium-7	1.00%
Phenoxyethanol Phenoxyethanol	1.00%
Fruelix TF Complexo Hidrante Hydrolyzed Papaya Fruit, Hydrolyzed Cucumber Fruit, Hydrolyzed Cocoa Fruit	1.50%
Ritabate 20 Polysorbate 20	2.00%

MOISTURIZING CONDITIONER

DI Water	Q.S. to 100%
Esafflor EC4 Guar Hydroxypropyltrimonium Chloride	0.50%
Ritasil SQ 2050 Silicone Quaternium -17	0.20%
RITA BTAC 228 Behentrimonium Chloride	3.00%
RITA CA Cetyl Alcohol	6.00%
RITA GMS Glyceryl Stearate	2.00%
RITA Coconut Oil 76 Cocos Nucifera (Coconut) Oil	0.50%
RITA Argan Oil Argania Spinosa Kernel Oil	0.50%
Ritapan D Panthenol	1.00%
Phenoxyethanol Phenoxyethanol	1.00%
Amitose R Dihydroxypropyl Arginine HCl	0.50%
Ritasil 949 Amodimethicone, Trideceth-12, Cetrimonium Chloride	1.00%
Ormigel XPU Hypnea Musciformis Extract (and) Gellidiella Acerosa Extract (and) Sargassum Filipendula Extract (and) Sorbitol	0.50%

The full beneficial effects of Panthenol may not be realized until the proper concentrations are used or multiple applications have been made.



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In Skin Care

Numerous studies have shown that Panthenol, when topically applied, can help in treatment of skin disorders, including lupus erythematosus, cutaneous ulcerations, burns, fissures, and dermatosis. Panthenol stimulates cellular proliferation and soothes skin irritated from minor wounds, sunburn, rash, insect bites, and allergic reactions.

STRENGTHENING & MOISTURIZING NAIL TREATMENT

DI Water	Q.S. to 100%
Esaflor HM22 C18-22 HydroxyAlkyl Hydroxypropyl Guar	0.10%
RITA HA C-1-C Sodium Hyaluronate	1.00%
Viscolam AT 100P Sodium Acrylate/Sodium Acryloyldimethyl Tautate Copolymer, Hydrogenated Polydecene, Trideceth-10	2.00%
Ritapan EE Panthenyl Ethyl Ether	1.00%
Phenoxyethanol Phenoxyethanol	0.99%
Vitamin E Acetate Tocopheryl Acetate	1.00%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
PioRena Light Isohexadecene	8.00%
Citric Acid 50% Solution	Q.S.

AFTER SUN SERUM

DI Water	Q.S. to 100%
Esaflor 4W Hydroxypropyl Guar	1.00%
RITA HA C-1-C Sodium Hyaluronate	1.00%
Ritapan D Panthenol	1.00%
Phenoxyethanol Phenoxyethanol	0.99%
Glycerin, USP 99.7% Glycerin	1.50%
Amitose R Dihydroxypropyl Arginine HCl	1.00%
Ritaloe 200M Aloe Barbadensis Leaf Juice	0.20%
Citric Acid 50% Solution	Q.S.

In Nail Care

A liquid nail treatment formulated with Panthenol (2%) showed improvement in the flexibility and strength of nails.

GENTLE MAKEUP REMOVER

DI Water	Q.S. to 100%
Eucarol AGE/ET Sodium Coco-Glucoside Tartrate	10.00%
Ritafactant LS-30 Sodium Lauroyl Sarcosinate	2.00%
Ritapan D Panthenol	0.20%
Frulix TF Limao Citrus Limon (Lemon) Fruit Extract	0.10%
Phenoxyethanol Phenoxyethanol	1.00%
RITA Glycerin, USP Glycerin	3.00%

References:

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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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