RITA CORPORATION

EMOLLIENTS

COMMITMENT VISION PROGRESS

RITA CORP

RITA CORP
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RITA Corporation Brochure Catalog

General Product Listing

- Acritamers - Carbomers
- Cationic Compounds, Conditioning and Styling Aids
- Emollients
- Emulsifiers
- Glycol and Glyceryl Esters
- Lanolin and Lanolin Derivatives
- Methyl Glucose Esters
- Natural Butters
- Natural Oils
- Ritafactants - Anhydrous Surfactant Blends
- Ritafactants with Lactylate - Sulfate Free Surfactants
- Ritafactants - Sugar and Amino Acids Based Surfactants
- Ritamulse SCG - Natural Emulsifier
- Ritapan - Panthenol

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

Emollients

RITA Corporation offers several emollient products with different attributes. All these products are oil soluble substances that are good film formers that make the skin look and feel smooth and moisturized. These products include both emollient esters and other hydrocarbon-based ingredients.

PHYSICAL PROPERTIES

	RITAMOLLIENT TN	CETYL ESTERS	RITA IPM	RITA IPP	RITA OP	RITACHOL SS	RITAMOLLIENT 3E
INCI NAME	C12-C15 Alkyl Benzoate	Cetyl Esters	Isopropyl Myristate	Isopropyl Palmitate	Ethylhexyl Palmitate	Stearyl Stearate	Trimethylopropane Tricaprylate/ Tricaprate
APPEARANCE	Colorless liquid	White flake	Clear, yellowish liquid	Clear, yellowish liquid	Clear liquid	White, waxy flake	Colorless liquid
ACID VALUE	0.5 Max	5 Max	1 Max	1 Max	1 Max	3 Max	0.1 Max
SAPONIFICATION VALUE	169-182	109-120	202-212	183-193	146-158	101-111	300-315
MELT POINT, °C	N/A	43-47	N/A	N/A	N/A	53-55	N/A

PHYSICAL PROPERTIES

	RITAMOLLIENT CCT	RITAMOLLIENT ININ	RITAPHYL ICS	RITADECENE 20	RITACANE ID	RITACANE IH
INCI NAME	Caprylic/Capric Triglyceride	Isononyl Isononanoate	Isocetyl Stearate	Hydrogenated Polydecene	Isododecane	Isohexadecane
APPEARANCE	Colorless liquid	Colorless, clear liquid	Clear liquid	Colorless liquid	Colorless liquid	Colorless liquid
ACID VALUE	1 Max	0.1 Max	2 Max	N/A	N/A	N/A
SAPONIFICATION VALUE	325-360	185-202	105-120	N/A	N/A	N/A
MELT POINT, °C	N/A	N/A	N/A	N/A	N/A	N/A

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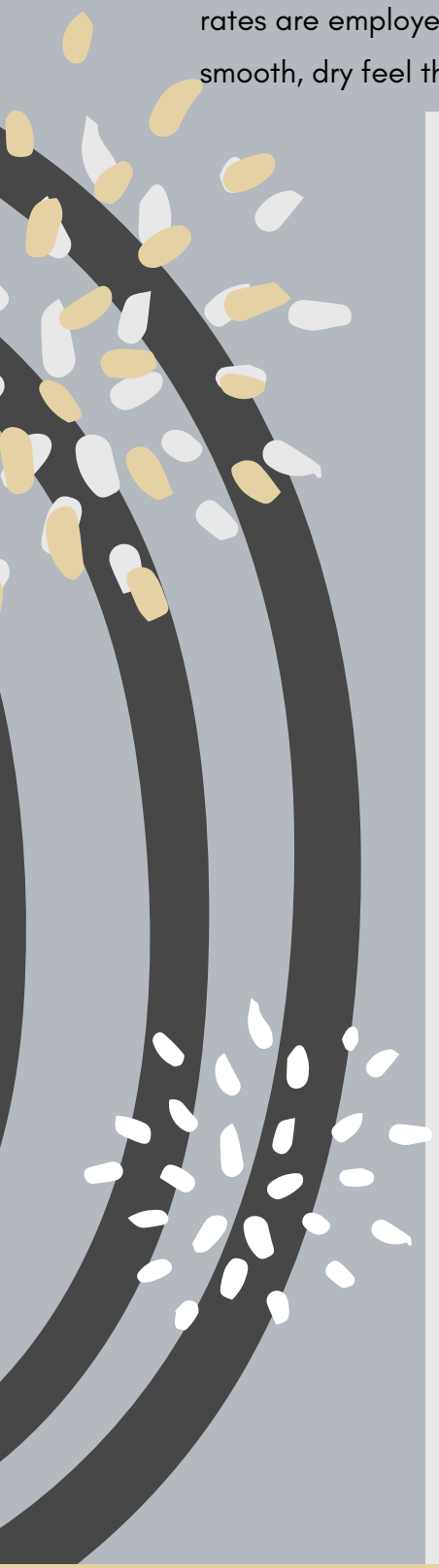
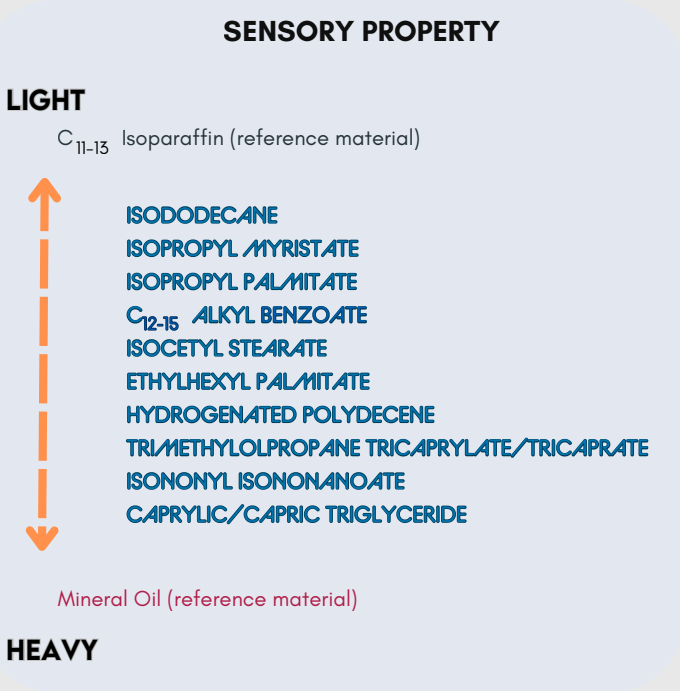
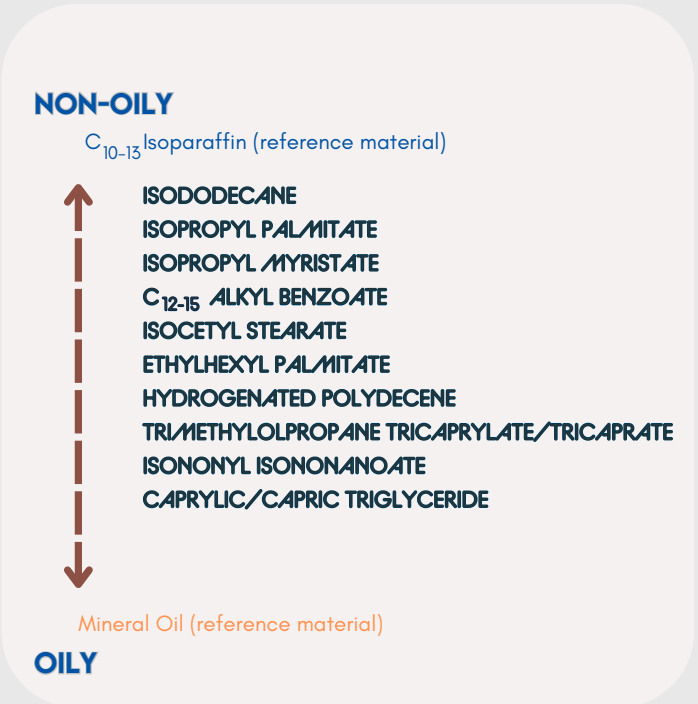
RITA Corporation offers an ample selection of emollients to fit all formulation needs. An important property of an emollient is its spreadability. Skin care products are aesthetically evaluated in terms of ease of spreading and skin feel (e.g., softness, greasiness). Emollients with variable spreading rates are employed to produce the desired sensory properties. Quick spreading emollients have a smooth, dry feel that disappears readily, while slow spreading emollients have a lubricious feel.







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Emollients

The high molecular weight, highly branched esters Trimethylolpropane Tricaprylate/Tricaprate and Isononyl Isononanoate exhibit a unique skin feel that is both lubricious and light. They are also more stable to hydrolysis due to their branched structure. Therefore, they can be used in formulations that are outside the neutral pH range.

Ritadecene 20 (Hydrogenated Polydecene) is a synthetic emollient with excellent skin conditioning properties. This product hydrates skin and improves the feel. It can act as a solvent for fragrance ingredients and also provides some anti-wrinkle effects. Ritadecene has excellent spreadability characteristics.

Ritacane IH (Isohexadecane) is also a synthetic emollient that forms a barrier layer on the skin providing the epidermis with better moisturization. This product is widely used in moisturizing creams and lotions, foundations, concealers, and conditioners.

Ritacane ID (Isododecane) acts as both a solvent as well as an emollient that helps retain moisture in skin care formulations. This product spreads easily and allows for a very smooth rub out of formulations that contain it. It has a very light feel not greasy or oily.

APPLICATIONS

Sun care
Creams
Lotions
Hand cleaners
Color cosmetics
Conditioners
Hair pomades
Conditioning shampoo

CLAIMS

(Dependent on Product)

Moisturizing

Naturally derived

Skin conditioning

Low odor

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Emollients

MOISTURIZING BODY LOTION

DI Water	Q.S. to 100%
Esaflor HM22 C18-22 Hydroxy Alkyl Hydroxypropyl Guar	**0.15%**
RITA Glycerin, USP Glycerin	**5.00%**
RITA Coconut Oil 76 Cocos Nucifera (Coconut) Oil	**7.00%**
Phenoxyethanol Phenoxyethanol	**0.80%**
Ritamulse SCG Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	**8.00%**
Ritamollient TN C12-C15 Alkyl Benzoate	**8.00%**
Ritasil DM 350 cst Dimethicone	**1.00%**

NATURAL HAND AND BODY CREAM

DI Water	Q.S. to 100%
Ritamulse SCG Glyceryl Stearate, Cetearyl Alcohol, Sodium Stearoyl Lactylate	**5.00%**
RITA Glycerin, USP Glycerin	**2.00%**
Ritalac NaL Sodium Lactate	**2.00%**
Ritamollient CCT Caprylic/Capric Triglyceride	**8.00%**
RITA SAO Prunus Amygdalus Dulcis (Sweet Almond) Oil	**2.00%**
Phenoxyethanol Phenoxyethanol	**1.00%**
Amitose R Dihydroxypropyl Arginine HCl	**1.00%**

HAIR POMADE RINGING GEL

DI Water	Q.S. to 100%
Propylene Glycol Propylene Glycol	**6.00%**
Ritadecene 20 Hydrogenated Polydecene	**10.00%**
Ritoleth-5 Oleth-5	**10.00%**
Supersat AWS-4 PEG-20 Hydrogenated Lanolin	**12.00%**
RITA Glycerin USP Glycerin	**6.00%**
Phenoxyethanol Phenoxyethanol	**1.00%**

BODY BUTTER

DI Water	Q.S. to 100%
Ritamulse AG55 Acrylamide/ Sodium Acrylate Copolymer, C13-14 Isoparaffin, Laureth-7	**2.00%**
Ritastearic Stearic Acid	**10.00%**
RITA IPP Isopropyl Palmitate	**6.00%**
Shebu Refined Butyrospermum Parkii (Shea) Butter	**2.00%**
Cocoa Butter NF Theobroma Cacao (Cocoa) Seed Butter	**3.00%**
Phenoxyethanol Phenoxyethanol	**1.00%**
Amitose R Dihydroxypropyl Arginine HCl	**1.00%**

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Natural Oils

PRODUCT	INCI NAME	APPEARANCE	FATTY ACID DISTRIBUTION
Borage Oil	Borago Officinalis Seed Oil	Pale Yellow Liquid	Linoleic Acid 30-41% y-linolenic Acid 15-30% Oleic Acid 10-25% Palmitic Acid 10-15% Stearic Acid <5%
Rice Bran Oil	Oryza Sativa (Rice) Bran Oil	Clear Liquid	Palmitic Acid 15-25% Stearic acid <5% Oleic acid 30-45% Linolenic acid <3%
Apricot Kernel Oil	Prunus Armeniaca (Apricot) Kernel Oil	Colorless to yellow liquid	Palmitic Acid 3-10% Oleic Acid 50-80% Linoleic Acid 20-35%
Argan Oil	Argania Spinosa Oil	Pale yellow liquid	Oleic acid 40-55% Linoleic acid 25-35% Stearic acid 5-10% Palmitic acid 10-15%
Avocado Oil	Persea Gratissima (Avocado) Oil	Clear yellow liquid	Oleic acid 35-45% Palmitic acid 25–30% Linoleic acid 15-20% Palmitoleic acid 10-15%
Brazil Nut Oil	Bertholletia Excelsa Seed Oil	Yellow to amber liquid	Stearic Acid 20-30% Oleic Acid 40-50% Linoleic Acid 20-30%
Canola Oil	Canola Oil	Light yellow liquid	Palmitic Acid ~5% Stearic Acid ~2% Oleic Acid 50-60% Linoleic Acid 20-30% Linolenic Acid 10-20%
Coconut Oil 76	Cocos Nucifera (Coconut) Oil	Yellow to amber liquid	Lauric Acid 35-55% Myristic Acid 15-25% Caprylic Acid 5-10% Palmitic Acid 5-10% Stearic Acid 1-5% Oleic Acid 5-15% Linoleic Acid 1-2%
Hydrogenated Coconut Oil	Hydrogenated Coconut Oil	Yellowish solid	N/A
Grapeseed Oil	Vitis Vinifera (Grape) Seed Oil	Pale yellow liquid	Palmitic Acid 5-10% Stearic Acid 2-10% Oleic Acid 10-30% Linoleic Acid 55-80% Linolenic Acid <1%
Macadamia Nut Oil	Macadamia Ternifolia Seed Oil	Clear liquid	Palmitic Acid <6% Stearic Acid <2% Arachidic Acid <2% Oleic Acid 60-70% Palmitoleic Acid <20%
Olive Oil	Olea Europaea (Olive) fruit Oil	Pale yellow to green liquid	Palmitic Acid <12% Stearic Acid <5% Oleic Acid 60-85% Linoleic Acid <12% Linolenic Acid <1%
Rosehip Oil	Rosa Moschata Seed Oil	Pale yellow liquid	Palmitic acid <10% Stearic acid <1% Oleic acid 10-20% Linoleic acid 40 - 55% Linolenic acid 25 -50%
Safflower Seed Oil	Carthamus Tinctorius (Safflower) Seed Oil	Yellow to amber liquid	Oleic Acid 10-20% Linoleic Acid 70-80%
RITA SAO	Prunus Amygdalus Dulcis (Sweet Almond) Oil	Yellow to amber liquid	Palmitic Acid <10% Stearic Acid <3% Oleic Acid 60-75% Linoleic Acid 20-30% Linolenic Acid <2%
Sesame Seed Oil	Sesamum Indicum (Sesame) Seed Oil	Light yellow liquid	Oleic Acid 35-45% Linoleic Acid 40-50%
RITA SSO	Helianthus Annus (Sunflower) Seed Oil	Yellow to amber liquid	Palmitic Acid <6% Stearic Acid <5% Oleic Acid 15-25% Linoleic Acid 50-65%
Simchin Natural or Refined	Simmondsia Chinensis (Jojoba) Seed Oil	Yellow liquid	Palmitic Acid <2% Oleic Acid <5-10% Gadoleic Acid 65-75% Erucic Acid 10-15% Nervonic Acid <2%
Soybean Oil	Glycine Soja (Soybean) Oil	Yellowish liquid	Oleic Acid 15-25% Linoleic Acid 45-60% Linolenic Acid 5-10%
Wheat Germ Oil	Triticum Vulgare (Wheat) Germ Oil	Yellow to amber liquid	Oleic Acid <30% Linoleic Acid 40-55% Linolenic Acid <3%

"US National Nutrient Database, Release 28". United States Department of Agriculture. May 2016. All values in this table are from this database unless otherwise cited or when italicized as the simple arithmetic sum of other component columns.

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