

RITA CORPORATION

Acritamers



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

Acritamers

RITA Acritamer Carbomer series is based on crosslinked acrylic acid ($C_2H_4O_2$) polymers that perform as highly efficient rheology modifiers. They are also used as emulsifying and stabilizing agents in cosmetic and personal care products, pharmaceuticals, and other industrial applications. By varying the degree of crosslinking, we can provide functionally different products. The traditional Carbomers are supplied as fluffy white powders. They absorb water to form gels and are known for their ability to adjust viscosity and texture of liquids.

We also provide Acrylates/C10-30 alkyl acrylate crosslinked emulsion polymers in both liquid and powder form. Because of their thickening ability and emulsifier properties, they provide formulations with excellent body, while retaining their ability to be pumped, stirred, and spread easily. These products form a smooth and flexible film on the skin and provide a silky feel. These capabilities make these excellent products for creams/lotions, gels, shampoos, bodywash, and numerous other household and industrial applications.

RITA also supplies Acrylates Copolymer products that are a type of polymer made from the polymerization of acrylic acid and one or more other monomers. These products are used in a variety of industrial and consumer applications including adhesives, coatings, films, and personal care products.

TRADITIONAL POWDER BASED PRODUCTS

- **Acritamer 940 (INCI NAME: Carbomer)**

A short flow carbomer produced in Benzene solvent system. Provides excellent suspension and thickening properties. This product is used for high clarity products. Viscosity at 0.50% is 45,000–70,000 cps. Use level: 0.20–1.00%

- **Acritamer 934 (INCI NAME: Carbomer)**

A short flow carbomer produced in Methylene Chloride solvent system. Provides excellent suspension and moderate thickening properties. This product can be used in emulsions and products where clarity is not a concern. Viscosity at 0.50% is 26,000–39,500 cps. Use level: 0.20–1.00%

- **Acritamer 941 (INCI NAME: Carbomer)**

A short flow carbomer produced in Benzene solvent system. Provides excellent suspension and thickening properties. This product provides low viscosity with good clarity and has ionic resistance to higher salt formulas. Viscosity at 0.50% is 5,400–11,400 cps. Use level: 0.20–1.00%

- **Acritamer 951 (INCI NAME: Carbomer)**

This product provides high clarity alcohol gels and is produced in Ethyl Acetate/ Cyclohexane cosolvent system. Viscosity at 0.50% is 20,000–42,000 cps. Use level: 0.20–1.00%

TRADITIONAL POWDER BASED PRODUCTS

- **Acritamer 980 (INCI NAME: Carbomer)**

A short flow carbomer produced in an Ethyl Acetate/Cyclohexane cosolvent system. Provides excellent suspension and thickening properties. This product is used for high clarity products. Viscosity at 0.50% is 40,000–60,000 cps. Use level: 0.20–1.00%

- **Acritamer 981 (INCI NAME: Carbomer)**

A short flow carbomer produced in an Ethyl Acetate/Cyclohexane cosolvent system. Provides excellent suspension effects for low to medium viscosity products. Good clarity and has ionic resistance to higher salt formulas. Viscosity at 0.50% is 4,000–11,000 cps. Use level: 0.20–1.00%

- **Acritamer 996 (INCI NAME: Carbomer)**

A short flow carbomer produced in Benzene solvent system. Provides excellent suspension and thickening properties. This product yields extra high viscosity. Viscosity at 0.50% is 65,000–80,000 cps. Use level: 0.20–1.00%

- **Acritamer 2020 (INCI NAME: Acrylates/C10-30 Alkyl Acrylate Copolymer)**

A long flow, highly efficient thickener produced in Ethyl Acetate/Cyclohexane cosolvent system. Provides excellent suspension and emulsion stabilizing properties. It can be used in emulsions and products containing electrolytes or anionic surfactants where clarity is a concern. Viscosity at 1.00% is 47,000–77,000. Use level: 0.20–1.00%

- **Acritamer FD10 (INCI NAME: Carbomer)**

This product is used when high clarity and high viscosity is needed. It is produced in an Ethyl Acetate/Cyclohexane cosolvent system. It is a low dosage thickener with easy to disperse properties and electrolyte resistance. Viscosity at 0.50% is 45,000–65,000 cps. Use level: 0.20–1.00%

- **Acritamer FD20 (INCI NAME: Acrylates/C10-30 Alkyl Acrylate Crosspolymer)**

Used when moderate clarity and high viscosity is needed. It is produced in an Ethyl Acetate/Cyclohexane cosolvent system. This product has long flow properties and is easy to disperse with electrolyte resistance. Viscosity at 0.50% is 47,000–77,000 cps. Use level: 0.20–1.00%

- **Acritamer FD21 (INCI NAME: Acrylates/C10-30 Alkyl Acrylate Crosspolymer)**

This product is used when high clarity and high viscosity is needed, and it is produced in an Ethyl Acetate/Cyclohexane cosolvent system. It has short flow properties and is easy to disperse with electrolyte resistance. Additionally, it offers strong moisturizing properties. Viscosity at 0.50% is 45,000–65,000 cps. Use level: 0.20–1.00%

Acritamers

LIQUID POLYMER SUSPENSION STABILIZERS

- **Acritamer LP-1 (INCI NAME: Acrylates Copolymer)**
- **Acritamer LP-2 (INCI NAME: Acrylates Copolymer)**

Alkali swellable anionic acrylic polymer emulsion, rheology modifier, and suspension stabilizer. Ideal option with surfactants and water-based systems where suspension, stability, and viscosity control are desired. This product is not freeze/thaw stable so extra care in shipping must be considered. Use level: 1.00-7.00%

- **Acritamer LP-3 (INCI NAME: Acrylates Copolymer)**

A freeze/thaw stable alkali swellable anionic acrylic polymer emulsion, rheology modifier, and suspension stabilizer. Ideal option with surfactants and water-based systems where suspension, stability, and viscosity control are desired. This property is not typically found with standard powdered Acritamer products. Use level: 1.00-7.00%

APPLICATIONS

Gels (water-based and alcoholic sanitizers)

Sun care gels

Coatings and films

Adhesives

Creams

Lotions

Inks

Household products

Batteries

Fabric printing

Wire pulling lubricant

Hand cleaners

Cleansers and surfactant systems

CLAIMS

(Dependent on Product)

Good for high, medium, and low viscosity products

Good suspension properties (high yield value)

Long and short flow products available

High clarity

Resistance to shear thinning

Freeze/thaw stable

Electrolyte resistance

Moisturizing



Acritamers

PUMICE SCRUB

DI Water	Q.S. to 100%
Acritamer 934	0.80%
Carbomer	
Sodium Hydroxide, 20%	1.08%
Sodium Hydroxide	
Mineral Oil 70	8.00%
Mineral Oil	
Propylene Glycol USP	1.50%
Propylene Glycol	
RITA IPM	8.50%
Isopropyl Myristate	
Ritacane IH	3.00%
Isohexadecane	
Ritabate 20	5.00%
Polysorbate 20	
Phenoxyethanol	1.00%
Phenoxyethanol	
Ritaloe 1X	1.00%
Aloe Barbadensis Leaf Juice	
Pumice	10.00%
Pumice	

ANTI-DANDRUFF SHAMPOO

DI Water	Q.S. to 100%
Acritamer LP-2	5.0%
Acrylates Copolymer	
Citric Acid 50% Solution	Q.S.
Ritafactant 138 LG MB	35.00%
Lauryl Glucoside, Sodium Lauroyl Lactylate	
Ritafactant LS-30	15.00%
Sodium Lauroyl Sarcosinate	
Ritafactant 40CD	5.00%
Disodium Cocoamphodiacetate	
Ritaquta 400	0.40%
Polyquaternium 10	
Disodium EDTA	0.05%
Phenoxyethanol	1.00%
Phenoxyethanol	
Zinc Pyrithione, 50%	2.00%
Zinc Pyrithione	

MOISTURIZING SANITIZER GEL

DI Water	Q.S. to 100%
Ethyl Alcohol SDA 40	70.0%
Alcohol	
Acritamer 940	0.40%
Carbomer	
Isopropyl Alcohol	1.00%
Isopropanol	
RITA IPM	0.20%
Isopropyl Myristate	
RITA Glycerin 99.7%	0.10%
Glycerin	
AMP-95	0.20%
Aminomethyl Propanol	





Acritamers

HIGH HOLD HAIR GEL

DI Water	Q.S. to 100%
Acritamer 980	0.50%
Carbomer	
RITA Glycerin	10.00%
Glycerin	
Ritapan DL	1.00%
Panthenol	
Phenoxyethanol	1.00%
Phenoxyethanol	
Sodium Hydroxide, 20%	0.90%
PEO-18	0.02%
PEG-90M	
RITA PVP/VA 73W	5.00%
VP/VA Copolymer	
RITA PVP K-30, 30%	2.00%
PVP	
Ritabate 20	0.99%
Polysorbate 20	

AFTER SUN GEL

DI Water	Q.S. to 100%
Acritamer 951	0.50%
Carbomer	
Ritapan D	1.00%
Panthenol	
Phenoxyethanol	1.00%
Phenoxyethanol	
RITA HA C-1-C	1.00%
Sodium Hyaluronate	
Ritaloe 200M	1.00%
Aloe Barbadensis Leaf Juice	
Sodium Hydroxide, 20%	0.90%

VITAMIN C SERUM

DI Water	Q.S. to 100%
Acritamer FD10	0.30%
Carbomer	
RITA Glycerin USP	5.00%
Glycerin	
Phenoxyethanol	0.99%
Phenoxyethanol	
Tealan 99%	0.30%
Triethanolamine	
RITA HA C-1-C	1.00%
Sodium Hyaluronate	
Amitose 3GA	3.00%
3-Glyceryl Ascorbate, Glycerin	





CARBOMER PROPERTIES & APPLICATIONS

		PRODUCTS						
		Acritamer 934	Acritamer 940	Acritamer 941	Acritamer 951	Acritamer 980	Acritamer 981	Acritamer 996
Properties	INCI Name	Carbomer	Carbomer	Carbomer	Carbomer	Carbomer	Carbomer	Carbomer
	Flow Description	Short	Short	Short	Short	Short	Short	Short
	Viscosity	High	High	Low	High	High	Low	High
	Suspending Potential	High	High	High	High	High	High	High
	Clarity	High	High	High	High	High	High	High
	Electrolyte Tolerance	Low	Low	Moderate	Low	Low	Moderate	Low
	Resistance to Shear Thinning	High	High	Low	High	High	Low	High
	Freeze/Thaw Stable	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Solvent System Used in Mfg	Methylene Chloride	Benzene	Benzene	Ethyl Acetate/ Cyclohexane	Ethyl Acetate/ Cyclohexane	Ethyl Acetate/ Cyclohexane	Benzene
	Use Level	0.2-1.0%	0.2-1.0%	0.2-1.0%	0.2-1.0%	0.2-1.0%	0.2-1.0%	0.2-1.0%
Applications	Clear Aqueous/ Hydroalcoholic Gels		X	X	X	X	X	X
	Clear Hydroalcoholic Gels		X		X	X		X
	Lotions/Creams	X	X	X		X	X	X
	Cleansers/Surfactant Systems			X			X	



CARBOMER PROPERTIES & APPLICATIONS

		PRODUCTS						
		Acritamer LP-1	Acritamer LP-2	Acritamer LP-3	Acritamer FD10	Acritamer 2020	Acritamer FD20	Acritamer FD21
Properties	INCI Name	Acrylates Copolymer	Acrylates Copolymer	Acrylates Copolymer	Carbomer	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Acrylates/C10-30 Alkyl Acrylate Crosspolymer
	Flow Description	Long	Long	Long	Short	Long	Long	Short
	Viscosity	Low	Low	Low	High	Medium	Low	Low
	Suspending Potential	High	High	High	Low	High	Low	Low
	Clarity	Low	High	High	High	Very High	Moderate	High
	Electrolyte Tolerance	Yes	Yes	Yes		Yes	Low	Medium
	Resistance to Shear Thinning	Medium	Medium	Medium		High		
	Compatible with Cationics					X	X	X
	Freeze/Thaw Stable	No	No	Yes	N/A	N/A	N/A	N/A
	Solvent System Used in Mfg	None	None	None	Ethyl Acetate/ Cyclohexane	Ethyl Acetate/ Cyclohexane	Ethyl Acetate/ Cyclohexane	Ethyl Acetate/ Cyclohexane
	Use Level	1-7%	1-7%	1-7%	0.2-1.0%	0.2-1.0%	0.2-1.0%	0.2-1.0%
Applications	Clear Aqueous/ Hydroalcoholic Gels				X	X	X	X
	Clear Hydroalcoholic Gels				X	X	X	X
	Lotions/Creams	X	X	X		X		
	Cleansers/Surfactant Systems	X	X	X	X	X	X	X



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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