

IntegriQUAT 10 Series



Polyquaternium 125, 400 and 3000

Integrity Ingredients Corporation

“Where Quality and Service Meet”

IntegriQUAT 10 Series

INCI Name: Polyquaternium 10

Chemical Description:

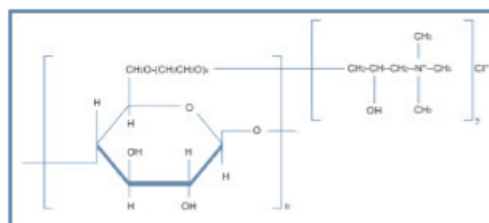
Cationic polymer of hydroxyethyl cellulose and quaternary ammonium chloride.

Solubility Structure:

IntegriQUAT 10 - 400

Solubility Characteristics:

Soluble in water.



Compatible Properties:

Compatible with a wide range of anionic, nonionic, amphoteric and cationic systems.

Regulatory Status:

Cationic Polymer; Contains 2% Nitrogen.

Function in Formulations:

- Hair Protecting
- Conditioning Agent
- Film Former
- Thickener

- Very Substantive to Skin and Hair
- Moisturizing, Lustering Effect
- Stable with Various Inorganic Salts
- Suitable for Use Over a Wide pH Range
- Protein-Like Effect From the Cationic Natural Cellulose

- Anti-Static Effect
- Easy Combing and Styling
- Smooth and Fine texture
- Protects and Strengthens Damaged Hair
- Useful as a Thickener and Easy to Dissolve in Water of Low Temperature

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IntegriQUAT 10 Series

INCI Name: Polyquaternium 10

Item	IntegriQUAT 10-125	IntegriQUAT 10-125 LR	IntegriQUAT 10-400	IntegriQUAT 10-400 LR	IntegriQUAT 10-3000	IntegriQUAT 10-3000 LR
Appearance	Light Yellow Powder		Light Yellow Powder		Light Yellow Powder	
Dry Loss (% 105° C, 2 hr)	Max 6.0		Max 6.0		Max 6.0	
Ash (%)	Max 3.0		Max 3.0		Max 3.0	
Nitrogen	1.7 – 2.2	0.9 – 1.2	1.7 – 2.2	0.8 – 1.2	1.7 – 2.2	0.8 – 1.2
Viscosity (cps 25° C)	75 - 175		300 - 500		1000 - 2500	
pH (25° C)	5.0 – 7.0		5.0 – 7.0		5.0 – 7.0	
Particle Size (% thru 20 mesh)	95 Min		95 Min		95 Min	
Water Insoluble (%)	5 Max		5 Max		5 Max	

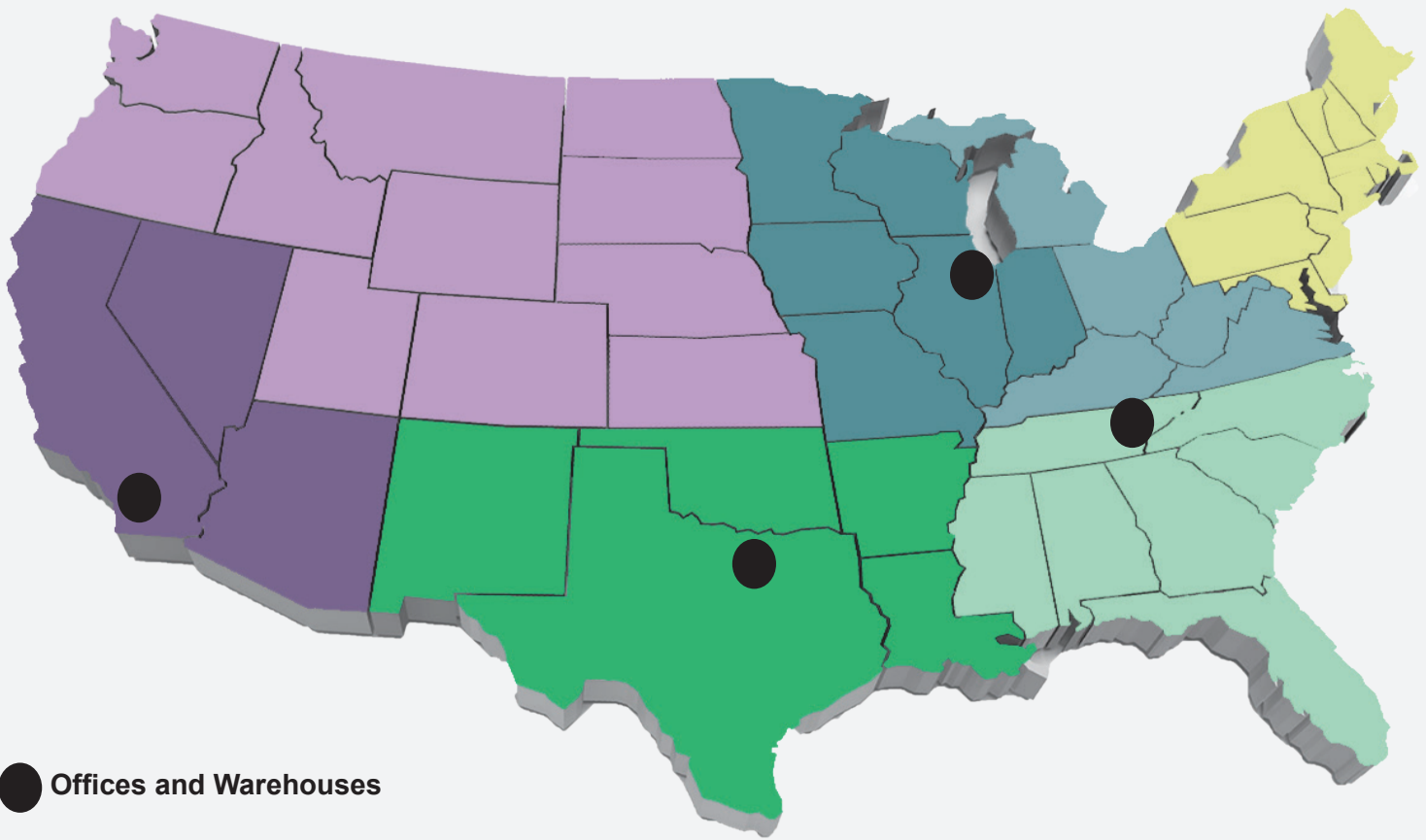
	Suitable for Use in High Concentration	Suitable for Use in Low Concentration
IntegriQUAT 10 – 125	X	X
IntegriQUAT 10 – 125 LR	X	X
IntegriQUAT 10 – 400	X	X
IntegriQUAT 10 – 400 LR	X	X
IntegriQUAT 10 – 3000		X
IntegriQUAT 10 – 3000 LR	X	X

IntegriQUAT 10 "LR" versions have a lower substantivity and lower nitrogen content so they are suitable to use in formulations at higher concentrations.

IntegriQUAT 10-3000 has high viscosity and excellent substantivity to hair and skin.

IntegriQUAT 10 Series can be used for a wide variety of personal care products, as both conditioning and thickening agents. They have excellent substantivity to hair and skin.

- Shampoo and Hair Conditioners
- Shaving Products
- Bath and Shower Gels
- Skin and Hair Creams and Lotions
- Baby Products
- Hand Soaps



● Offices and Warehouses

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○₂ **Integrity Ingredients Corporation**



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