



Integrity Ingredients Corporation

IntegriQUAT 6 IntegriQUAT 6 B (Bead form)

INCI Name: Polyquaternium 6

Product Description:

These cationic polymers are ingredients which have been developed specifically for cosmetic and personal care products. Their high solubility in water and compatibility with a lot of cosmetic compounds make IntegriQUAT 6 and IntegriQUAT 6 B easy to use materials.

Product Characteristics:

Physical characteristics (average molecular weight and polymer structure) of IntegriQUAT 6 and IntegriQUAT 6 B are similar. Thus they are considered to have the same performances.



IntegriQUAT 6

Liquid Polyquaternium 6 is a ready to use aqueous solution

Appearance	Clear to pale yellow liquid
Odor	Very slight
Polymer charge	Cationic
Active Content	19 - 22%
pH (as supplied)	5 – 7 %
Viscosity	10,000 – 25,000 cps Brookfield LVT 4 - 12 rpm
Shelf Life	12 months

IntegriQUAT 6 B

Solid Polyquaternium 6 is a ready to use aqueous solution

Appearance	White fluid powder
Active Content	>88%
pH (as supplied)	2.5 – 4.5 %
Viscosity	20 -100 cps Brookfield LVT-30 spindle 3
Shelf Life	24 months



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Cosmetic Applications

- Clear and colorless cosmetic products
- Ease of incorporation in formulations due to complete water solubility
- Improved foam stability
- Total compatibility with non-ionic and amphoteric materials

In **hair care** products, IntegriQUAT 6 and IntegriQUAT 6 B can:

- Reduce static and flyaway
- Improve wet and dry comb ability
- Increase shine, softness and body

In skin care products (face and body care), IntegriQUAT 6 and IntegriQUAT 6B can:

- Improve the spreadability and the application of the product
- Give the skin a soft, velvety and non greasy after feel

Concentration Use

IntegriQUAT 6 should be used at concentrations from 0.3% to 5%. It should be added in the aqueous phase.

For IntegriQUAT 6 B, it is recommended to make first a concentrated solution in water which is then added into the formulation. Usual concentrations are between 0.2 and 3%.

Toxicological Data

IntegriQUAT 6

Eye irritation potential (pure product): - non irritant

Skin irritation potential (pure product): - very slightly irritant

IntegriQUAT 6 B

Eye irritation potential (40% solution): - non irritant

Skin irritation potential (40% solution): - slightly irritant

Storage

IntegriQUAT 6 should be stored at a temperature between 5 and 35°C. If by accident the product freezes, thaw out by placing the container in warm water while mixing thoroughly.

IntegriQUAT 6 B should be stored at a temperature between 5 and 35°C in original packaging.

Packaging

IntegriQUAT 6 is available in 210 kg drums . * IntegriQUAT 6 B is available in 25 kg bags.

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