



IntegriQUAT 11

INCI Name: Polyquaternium 11

Product Description:

IntegriQUAT 11 is an ingredient developed specifically for cosmetic and personal care products.

Product Characteristics:

IntegriQUAT 11 is supplied in easy-to-handle aqueous solution.

IntegriQUAT 11 can be easily incorporated in formulations due to complete water solubility.

IntegriQUAT 11 is widely compatible with any kind of surfactants including anionic and amphoteric ones. This makes possible transparent and crystal clear shampoos and toiletries products.

IntegriQUAT 11 is compatible with ethanol for the formulation of hair care mousse and spray.



Product Specifications

Appearance	Clear to pale yellow liquid
Odor	Very slight
Polymer charge	Cationic
Active Content	19 - 22%
pH (as supplied)	5 – 7 %
Viscosity	10,000 – 50,000 cps Brookfield LVT 4 - 6 rpm
Shelf Life	12 months



Integrity Ingredients Corporation



Cosmetic Applications

IntegriQUAT 11 is a cationic polymer which forms an electrostatic combination with the negatively charged keratin

In **hair care** products, IntegriQUAT 11 can:

- Improve wet and dry compatability
- Increase shine, softness and body
- Form a non-tacky and continuous film
- Good curl retention performance
- Enhance setting properties

IntegriQUAT 11 is an effective conditioning agent and it can be formulated into hair styling mousse, lotions and gels, conditioners, treatment products and shampoos.

IntegriQUAT 11 is also suitable in skin care products such as liquid soaps and shower gels, shaving products and body lotions.

Concentration Use

IntegriQUAT 11 should be used at concentrations from 2% to 5% in shampoos and conditioners, and from 5% to 10% in mousse and gels formulations.

Toxicological Data

See MSDS

Storage

IntegriQUAT 11 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.

Packaging

IntegriQUAT 11 is available in 60 kg pails or 120 kg drums

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