



514, 6th Floor, Adamji Bldg., 413, Narshi Natha Street, Mumbai - 400 009. (INDIA).

Tel. : 0091-22-2343 9093 | Fax : 0091-22-6634 9992 | E-mail : [info@hajexports.com](mailto:info@hajexports.com) | Web : [www.hajexports.com](http://www.hajexports.com)

## PRODUCT BULLETIN

### HAJ FC T920 GC

CTFA (INCI) Designation: Polyacrylamide

#### PRODUCT DESCRIPTION

HAJ FC T920 GC is a polymer developed specifically for the cosmetic and personal care industry.

HAJ FC T920 GC is a non-ionic polymer and therefore compatible with all cosmetic materials.

Chemical name: Polyacrylamide

#### PRODUCT CHARACTERISTICS

Appearance	white powder
Bulk density	0.75
Molecular weight	$8 \times 10^6$
Particle size	> 10 mesh 2% maxi, < 100 mesh 10% maxi
Viscosity(5 g/l, LVT @30 rpm) * * indicative values	100 cps
Dissolution time @ 5 g/l, 25°C	180 minutes
Storage temperature	<45 °C
Packaging (Polythene lined HDPE bags)	25 kg
Shelf Life	24 months

#### CONCENTRATIONS

HAJ FC T920 GC should be dispersed in water at room temperature or in a small amount of water-soluble solvent. Dissolution time is about 2 hours, with a low speed agitation in order to protect the polymer chains. When used as an additive, recommended concentration use is from 0.1% until 0.5%. When used at higher concentrations, it has a thickening effect.

#### COSMETIC APPLICATIONS

##### Skin-care products

- Improves the spreadability and the application of the product
- Gives the skin a soft and non greasy after-feel

##### Shaving products

- Helps shaving by lubricating the razor blade and reducing friction

##### Toiletries

- Enhances the viscosity
- Improves foam stability

##### Hair-care products

- Increases shine and softness
- Improves wet and dry combability

#### TOXICOLOGICAL DATA

The following data are bibliographical.

Oral toxicity: non toxic (> 5000 mg/kg)

Dermal toxicity: non toxic (> 5000 mg/kg)

Primary eye irritation: non irritant

Primary dermal irritation: non irritant

#### *Personal Care : Liquid Hand Soap*

#### *FORMULATION GUIDE*

#### **HAJ FC T 920 GC**

#### **INGREDIENTS**

#### **Quantity %w/w**

PART A

**HAJ FC T920GC**

**0.50**

Water QS :

100%

PART B

Ammonium Lauryl Sulfate

10.00

Cocamidopropyl Betaine

4.00

Cocamide DEA

2.00

*Preservatives*

QS

PART C

*Fragrances*

QS

#### **PROCEDURE**

Disperse part A in cold water. Add part B under stirring and heat until 60°C. Cool at room temperature, add part C and adjust pH if needed.