

TECHNICAL DATA SHEET

REACH 301

Aluminum Sesquichlorohydrate impalpable powder

GENERAL INFORMATION

REACH 301 is an aerosol grade aluminum sesquichlorohydrate.

REACH 301 has a lower molecular weight and Al:Cl molar ratio than standard ACH making it more appropriate for diffusing into the deeper situated sweat glands on the feet.

INCI NAME

Aluminum Sesquichlorohydrate

INCORPORATION

- Avoid anionic surfactants.
- Avoid self-emulsifying grades of emulsifiers.
- Avoid strong bases.
- Recommended pH range of final product is 3.5-4.5.
- Can be used in all product forms.

CHEMICAL & PHYSICAL PROPERTIES

% Aluminium	23.5 – 25.5
% Chloride	18.5 – 21.0
Appearance	White to yellow powder
Odour	Characteristic
Al:Cl Molar Ratio	1.50:1 – 1.80:1
pH (15% aqueous)	3.0 – 5.0
% Anhydrous	72 – 88
Iron (PPM)	125 maximum
Elemental Impurities	Passes USP

These are typical properties not to be used for specification purposes.

LEVEL OF USE

25% maximum on an anhydrous active basis.

HEALTH AND SAFETY

Before using this product please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

STORAGE RECOMMENDATIONS

REACH 301 should be kept in sealed containers when not in use as it readily absorbs moisture. The product will slowly corrode iron, brass, copper, aluminum and mild steel.

SHELF LIFE

REACH 301 has a shelf life of minimum 3 (three) years from date of manufacture.

QUALITY ASSURANCE

All of the Elementis antiperspirant manufacturing facilities are FDA registered, cGMP/ICH compliant and audited regularly.

APPLICATIONS

- Anhydrous suspension aerosols

KEY PROPRIETIES

- Reduction of perspiration from underarms, hands, feet.
- Reduction of underarm odour (deodorancy).
- Antimicrobial against gm (+) micro-organisms.

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