

## REACH 501

### Enhanced Efficacy Aluminum Chlorohydrate Impalpable Powder

#### GENERAL INFORMATION

**REACH 501** is a high performance enhanced efficacy active ingredient recommended for use in anhydrous suspension aerosols.

**REACH 501** provides a minimum of 24 hours wetness and odor protection during normal daily application.

#### INCI NAME

Aluminum Chlorohydrate

#### CHEMICAL & PHYSICAL PROPERTIES

% Aluminum	24.3 - 26.1
% Chloride	15.8 - 17.1
Appearance	White to off-white powder
Odor	Characteristic
Al:Cl Molar Ratio	1.91:1 - 2.10:1
pH (15% aqueous)	4.0 - 4.4
% Anhydrous	72 - 88
Iron (PPM)	100 maximum
Elemental Impurities	Passes USP

These are typical properties not to be used for specification purposes

#### APPLICATIONS

- Anhydrous suspension aerosols

#### KEY PROPERTIES

- Reduction of perspiration from underarms, hands, feet.

- Reduction of underarm odor (deodorancy).
- Antimicrobial against gm (+) micro-organisms.

#### 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.

#### LEVELS 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 501** 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 501** 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.

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