

## MICRO-DRY 323

### Aluminum Chlorohydrate Impalpable Powder

#### GENERAL INFORMATION

**MICRO-DRY 323** is the most popular aerosol grade of standard Aluminum Chlorohydrate.

**MICRO-DRY 323** is an impalpable aluminum chlorohydrate with 97% minimum < 45 microns.

#### INCI NAME

Aluminum Chlorohydrate

#### CHEMICAL & PHYSICAL PROPERTIES

% Aluminum	24.3 - 25.4
% Chloride	15.8 - 16.8
Appearance	White to off-white powder
Odor	Characteristic
Al:Cl Molar Ratio	1.91:1 - 2.10:1
pH (15% aqueous)	3.0 - 5.0
% Anhydrous	72 - 88
Iron (PPM)	150 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

**MICRO-DRY 323** 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

**MICRO-DRY 323** 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.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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