

TECHNICAL DATA SHEET

CHLORHYDROL 50

Aluminum Chlorohydrate 50% aqueous solution

GENERAL INFORMATION

CHLORHYDROL 50 is a 50% aqueous solution of standard aluminum chlorohydrate, specially designed for use in aqueous, emulsion, and clear roll-ons as well as aqueous creams and clear gels.

CHLORHYDROL 50 is also suitable for hydro-alcoholic, aqueous and clear pump sprays.

INCI NAME

Aluminum Chlorohydrate

CHEMICAL & PHYSICAL PROPERTIES

% Aluminium	12.2 – 12.7
% Chloride	7.9 – 8.4
Appearance	Clear colourless liquid
Odour	Characteristic
Al:Cl Molar Ratio	1.91:1 – 2.10:1
pH (30% aqueous)	3.0 – 5.0
% Anhydrous	36 – 44
Iron (PPM)	50 maximum
Elemental Impurities	Passes USP

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

APPLICATIONS

- Emulsion and clear roll-ons
- Aqueous creams
- Aqueous clear gels

KEY PROPRIETIES

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

LEVEL OF USE

25% maximum on an anhydrous active basis.

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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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.

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

CHLORHYDROL 50 should be kept in sealed containers when not in use.

CHLORHYDROL 50 should be protected from temperatures in excess of 48°C (120°F). The product freezes at -6°C (21°F). If the solution freezes it will, upon thawing, easily reconstitute with no alteration of activity or compatibility.

The product will slowly corrode iron, brass, copper, aluminium and mild steel.

SHELF LIFE

AACH-7172 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.