

TECHNICAL DATA SHEET

REACH 301L

Aluminum Sesquichlorohydrate 50% solution

GENERAL INFORMATION

REACH 301L is an acid-activated aqueous solution of aluminum sesquichlorohydrate that provides better sweat reduction than standard ACH due to its lower Al:Cl molar ratio. The Al:Cl molar ratio is controlled at the higher end of its allowed range to maintain better skin and fragrance compatibility.

REACH 301L is specially designed for use in hydro-alcoholic, aqueous and clear roll-ons as well as aqueous creams and gels.

REACH 301L can also be used in hydro-alcoholic and aqueous pump sprays.

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	11.5 – 13.0
% Chloride	8.5 – 11.0
Appearance	Clear colourless to slightly yellow liquid
Odour	Characteristic
Al:Cl Molar Ratio	1.50:1 – 1.80:1
pH (15% aqueous)	3.0 – 5.0
% Anhydrous	36 – 44
Iron (PPM)	75 maximum
Elemental Impurities	Passes USP

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

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 301L should be kept in sealed containers when not in use.

REACH 301L 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.

REACH 301L will slowly corrode iron, brass, copper, aluminum and mild steel.

SHELF LIFE

REACH 301L 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

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

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.

© Copyright 2025, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

® Registered trademark of Elementis Specialties, Inc