

ULTRA ZAG 88L

Enhanced Efficacy Aluminum Zirconium Tetrachlorohydrate Glycine Concentrated Solution

GENERAL INFORMATION

ULTRA ZAG 88L is a patented high performing solution of aluminum zirconium tetrachlorohydrate glycine comprised of the optimum Zr polymer species and an additive to maintain extended stability over time.

ULTRA ZAG 88L is designed for use in all water-based formulations.

INCI NAME

Aluminum Zirconium Tetrachlorohydrate Gly

CHEMICAL & PHYSICAL PROPERTIES

% Aluminum	5.6 - 6.6
% Zirconium	5.3 - 6.0
% Chloride	8.0 - 9.2
Al:Zr Molar Ratio	3.4:1 - 3.8:1
Metals:Cl Molar Ratio	1.10:1 - 1.30:1
pH (15% aqueous)	3.0 - 5.0
% Anhydrous	30 - 34
Iron (PPM)	75 maximum
Elemental Impurities	Passes USP

These are typical properties not to be used for specification purposes

APPLICATIONS

- Clear gels
- Emulsion roll-ons
- Emulsion creams

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.
- Cannot be used in aerosols.

LEVELS OF USE

20% 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

ULTRA ZAG 88L should be kept in sealed containers when not in use.

ULTRA ZAG 88L 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.

ULTRA ZAG 88L will slowly corrode iron, brass, copper, aluminum and mild steel.

SHELF LIFE

ULTRA ZAG 88L has a shelf life of minimum 12 (twelve) months 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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