

## AZG-368

### Aluminum Zirconium Tetrachlorohydrate Glycine 35% Solution

#### GENERAL INFORMATION

**AZG-368** is an aqueous solution of standard aluminum zirconium tetrachlorohydrate glycine that out-performs Al-only actives.

**AZG-368** is ideally suited for use in emulsion, aqueous and clear roll-ons as well as aqueous creams and clear gels.

#### INCI NAME

Aluminum Zirconium Tetrachlorohydrate Gly

#### CHEMICAL & PHYSICAL PROPERTIES

% Aluminum	5.0 - 5.7
% Zirconium	4.4 - 5.7
% Chloride	5.9 - 6.7
Al:Zr Molar Ratio	3.40:1 - 3.80:1
Metals:Cl Molar Ratio	0.90:1 - 1.50:1
pH (15% aqueous)	3.0 - 5.0
% Anhydrous	27 - 33
Iron (PPM)	35 maximum
Elemental Impurities	Passes USP

These are typical properties not to be used for specification purposes

#### APPLICATIONS

- Emulsion roll-ons
- Emulsion creams
- Clear gels

#### 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

**AZG-368** should be kept in sealed containers when not in use.

**AZG-368** 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.

#### SHELF LIFE

**AZG-368** 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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