PRODUCT INFORMATION SHEET

AE-2/AE-2A, Alcohol Ethoxylate

DESCRIPTION

R-O-(CH₂CH₂O)ₙH

n = average number of moles of ethoxylate

CAS Number: 68002-97-1

PHYSICAL PROPERTIES:

(All properties @ 760mmHg unless stated)

- Specific Gravity: 0.9 at 20°C (68°F)
- Vapor Pressure: <0.01 mmHg at 20°C (68°F)
- Melting Point: 7°C (45°F)
- Viscosity: 21cp at 20°C (68°F)
- Boiling Point: 250°C (482°F)

GENERAL INFORMATION

APPLICATION USES

Material is a non-ionic surfactant. Potential intermediate and end use applications include hand dish liquids, shampoos, soaps, shower gels, foaming control agents, textile applications and specialty surfactants.

OIL DERIVATION/ALLERGEN/BSE/MICROBIAL

- All of our brands are produced in P&G Chemicals' global network. They are manufactured from naturally occurring vegetable oils.
- Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) are not a concern.
- No gluten/wheat, corn, dairy, egg, fish/shellfish, sulfites, yeast, starch, MSG, peanut, other nut, rice, potential allergens are present. No preservatives or additives are present.
- At the low vacuum and high temperature at which our process operates, our products are not micro-susceptible.

RETEST DATE

Stability is affected by how a product is stored. We expect the product to be stable if it is kept under the recommended Storage and Handling conditions. We recommend retesting the product for Sensitive Properties every 9 months. (Information listed in Storage and Handling section)

P&G CHEMICALS DOES NOT PROVIDE SHELF LIVES OR EXPIRY DATES.

STORAGE AND HANDLING (recommended)

- Handling Temp Min-Max: Max: 49°C (120°F)
- Agitation/Recirculation: Yes, if heating medium > 100°C
- Nitrogen Blanket: Yes (≤1% O₂)

- Storage Temp Targets: Target: 20 °C (68°F)
- Max Steam, psi: 30
- Load out filter (reco): 5 micron
- Sensitive Properties: Moisture, Color, Carbonyl
- Railcar or Tank Truck: Carbon Steel or Phenolic Epoxy Lined
- Storage Tank: Carbon Steel or Phenolic Epoxy Lined
- Pumps and Lines: Carbon Steel

IMPORTANT NOTE: This technical product information and suggestions for use, while believed to be accurate and reliable, is given without creating any guarantee or warranty of any kind expressed or implied. Purchaser assumes all risk in acting on this information provided by Procter & Gamble representatives. Since product’s specifications may vary on customers’ basis, each purchaser is urged to perform their own tests, experiments and investigations in the use of Procter and Gamble products and for purposes of determining compliance with applicable Federal, State and local laws and regulations. Nothing contained herein shall be construed as a recommendation to use any product in connection with existing patents covering any material or its use. Moreover, no license is to be implied under any Procter & Gamble patents relating to uses of the above.

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