

# Armosoft DEQ

Diester quaternary ammonium salt

New generation esterquats for fabric softening. The high efficiency chemistry can be used as the core fabric softening active ingredient or as a booster for conventional formulations to improve storage stability and softness.

## Specifications

|                 |                       |
|-----------------|-----------------------|
| Appearance      | Clear liquid at 150°F |
| Color           | ≤ 3.5 Gardner         |
| Ethanol         | 12.5-14.5 %           |
| Free Amine      | 0.005 - 0.024 meq/g   |
| Free fatty acid | ≤ 0.04 meq/g          |
| Methyl chloride | ≤ 130 ppm             |
| Moisture        | ≤ 0.3 %               |
| Active content  | (Mw=648) 78 - 82 %    |

## Characteristics

|                        |                            |
|------------------------|----------------------------|
| Boiling point          | 78 °C                      |
| Density                | 0.9 g/cc                   |
| Flash point            | 83F                        |
| Freezing point         | 40 °C                      |
| Pour point             | 45 °C                      |
| Vapor pressure         | 5.9 kPa (43.9 mmHg at 20C) |
| Solubility: Solubility | Soluble in cold water      |

### Notes:

Typical Data are based on our own measurements or derived from the literature. They do not constitute part of the delivery specification.

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