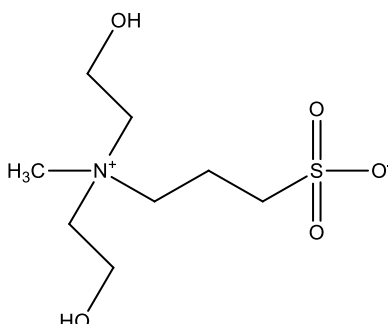


Technical Data Sheet

MDAPS

N,N-Bis-(2-hydroxyethyl)-Nmethyl-3-sulfopropyl-ammonium betaine)

Description



| | | | |
|---------------|--|----------|--|
| Chemical Name | N,N-Bis-(2-hydroxyethyl)-Nmethyl-3-sulfopropyl-ammonium betaine) | Formula | C ₈ H ₁₉ NO ₃ S |
| CAS # | 94159-69-0 | Mol. wt. | 241.31 |

Specifications

| Item | Specification |
|--------------------|---|
| Appearance | Yellowish powder |
| Assay (%) | Min. 98.0 |
| Water content (%) | Max. 0.3 |
| Melting point (°C) | 135 |
| Solubility (@20°C) | Very good in water, Poor in organic solvents. |

Applications

MDAPS combines hydroxyl groups, a cationic ammonium group and an anionic sulfonate group in one molecule. Due to the hydroxyl groups it is possible to incorporate the polar but over all neutral groups in the polyurethane backbone. The polymers which were produced with MDAPS form very stable dispersions and can be used for the production of paints, lacquers and leather coating.

The incorporated sulfonate groups stabilize water-based dispersions without the addition of external emulsifier. These polymers are stable against divalent cations and fluctuation of the pH value. Quantities usually range between 1 to 10 % of the total batch. MDAPS can react with the isocyanates as a fine dispersed powder, or at temperatures above 140 °C as a liquid.

Delivery & Storage

| | |
|---------|-----------------------|
| Package | As required. |
| Storage | Store in a cool, dry. |