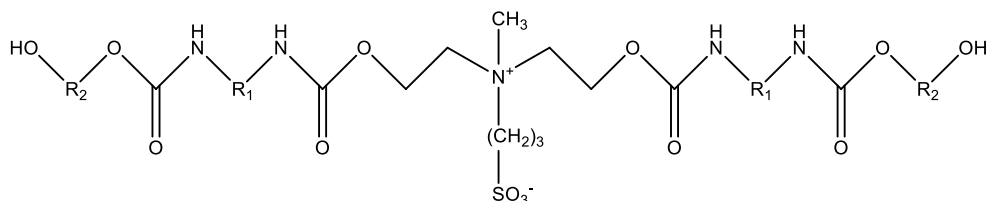


# Technical Data Sheet

## MDAPS-PP

### Description



Chemical Name	N,N-Bis-(2-hydroxyethyl)-N-methyl-ammonium 3-sulfopropyl betain, polyol and polyisocyanate terminated with alcohol groups	Formula	-
CAS #	1242412-19-6	Mol. wt.	Approx. 1,500

### Specifications

Item	Specification
Appearance	Yellow to brownish viscous
Viscosity (@25°C)	Approx. 200~400
Dry Mass (w/w, %)	Approx. 50
OH Value (mg KOH/g)	Approx. 50
Solubility (@20°C)	Miscible with water
pH Value	7 -10

### Applications

MDAPS PP is a low molecular mass prepolymer, combining 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 overall 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 coatings.

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 5 to 20 % of the PU dry mass.

MDAPS PP can be used easily by direct addition together with the used polyols.

### Delivery & Storage

Package	As required.
Storage	Keep container tightly closed and in a cool, dry place.