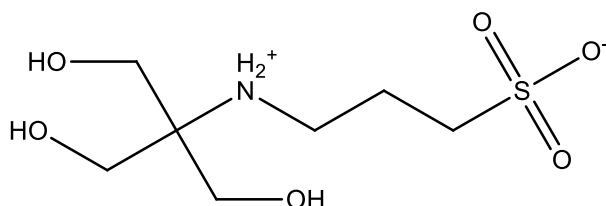


# Technical Data Sheet

## TAPS

[(Tris-hydroxymethyl)-methyl]amino-3-propane sulfonic acid

### Description



Chemical Name	[(Tris-hydroxymethyl)-methyl]amino-3-propane sulfonic acid	Formula	C <sub>7</sub> H <sub>17</sub> NO <sub>6</sub> S
CAS #	29915-38-6	Mol. wt.	243.28

### Specifications

Item	Specification
Appearance	White powder
Melting point (°C)	226
Assay (%)	Approx. 99
Solubility (20°C)	In water approx.. 30%
	In methanol 1.4%
	In ethanol, toluene, benzene (100/140) < 1%
UV Data (10mmol / 1cm)	E max. 0.050 (260nm)
	E max. 0.030 (280nm)
pKa (20°C, 0.3% in water)	approx.. 8.4

### Applications

TAPS can be used as a functional monomer for the synthesis of aqueous PU dispersion.

TAPS are widely used buffers to keep the pH constant. Compared to conventional bicarbonate buffers, it is almost unaffected by temperature changes and has no effect on the reaction. TAPS has a pKa of about 8.4 and a pH ranging from 7.7 to 9.1. It is especially widely used in biological applications such as human and animal cell culture, blood protein production and storage, bacterial culture, virus identification and isolation, vaccine isolation, tissue research, chromatography, electrophoresis, electron microscopy and blotting techniques, etc.

### Delivery & Storage

Package	25kg steel barrel
Storage	Keep package closed. Store dark and dry.