



Trimethylolpropane flakes

CAS No 77-99-6

Chang Chun's trimethylolpropane (TMP) is a widely functional intermediate in the organicchemical industry. TMP can improve various resins' toughness, corrosion-resistance, and sealingstrength. It is very stable against oxidation, hydrolysis, and pyrolysis. It's mainly used as the raw material for alkyd resin paint, polyurethane coating, and high-end oil coatings/paints. It can also be used for the production of plasticizers,surfactants, lubricants, synthetic leather, heat insulator, etc.

Product applications

- Used for alkyd resin production
- Used for high-quality lubricant production
- Used for plasticizer production
- Used for emulsifier production
- Production of Trimethylolpropane triacrylate (TMPTA)
- Production of Trimethylolpropane tirmethacrylate (TMPTM)
- Production of Trimethylolpropane triesters (TMPTE)
- Used as fuel additives

Chemical Formula C₂H₅C(CH₂OH)₃

Molecular Weight 134.18

Appearance White crystal

Specific Gravity (30°C) 1.1628

Boiling Point (°C) 292

Freezing Point (°C) 61

Flash Point (°C) 176

Ignition Temperature (°C) 375

Dust Explosion: Lower Explosive Limit No data

Minimum Ignition Energy No data

Solubility Readily soluble in water, alcohol and acetone

Stability&Reactivity Stable