



Technical Data Sheet

Chemical Name: Trimethylol propane

Chemical Formula: C₆H₁₄O₃

Molecular Weight: 134.17

CAS NO.: 77-99-6

Physical and chemical properties: Trimethylol propane is white flake crystals. Soluble in water, low carbon alcohol, glycerol, N, N-dimethylformamide, partially soluble in acetone, ethyl acetate, slightly soluble in carbon tetrachloride, ether and chloroform, but insoluble in aliphatic hydrocarbons, Hydrocarbons and chlorinated hydrocarbons.

Typical Properties

Item	Index
Appearance	White flakes
Assay	≥99%
Hydroxyl content (%)	≥37.5
Crystallization point (°C)	≥58
Water content (%)	≤0.1

Usage

Trimethylol propane is mainly used as a substitute for glycerol and also for the synthesis of dry oils.

Trimethylol propane is widely used in the production of polyester and polyurethane foams and is also used in the manufacture of alkyd paints, synthetic lubricants, plasticizers, surfactants, rosin esters and explosives. Also used directly as a textile auxiliaries and PVC resin thermal stability, used in the alkyd resin, can improve the resin's robustness, color, weather resistance, chemical resistance, sealing.

Trimethylol propane used as synthetic resin raw materials, but also for the synthesis of aviation lubricants, plasticizers and so on.

Trimethylol propane for the manufacture of composite solid propellant charge coating and insulation layer can also be used for resin modifier and crosslinking agent, but also synthetic resin raw materials and for the synthesis of aviation lubricants, plastic Agent and so on.

Package

The normal net weight: 25KG bag, or according to the customer's demand.

Storage condition

This product must be stored in a cool, dry and sealed container or tank. Storage warehouse must be regularly clearance, ventilate and inspection, be low temperature and dry.