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Tetraisopropyl Titanate

Formula: C₁₂H₂₈O₄Ti

Cas#: 546-68-9

MW: 284.22

Physical Properties

Color: colorless to light yellow clear liquid;

Specific Gravity at 20degC: 0.965;

Melting Point: 14-17degC(lit.);

Flash Point: 16degC, method: closed up;

Odor: like odor of ethanol;

Refractive Index: n₂₀/D 1.464(lit.);

Boiling Point: 232degC(lit.);

Specifications

Appearance: colorless to light yellow clear liquid;

Content of Ti: 16.5-16.9%;

Color, chroma: 100max.;

Specific gravity at 25degC: 0.955±0.005;

Content of TiO₂: 27.5-28.2%;

Cl-, HPLC: 60ppm max.;

Packing

190kgs un iron drum

Application:

Used in synthesis of adhesive for metal and rubber, adhesive for metal and plastic, adhesive for metal and coating; used in transesterification(such as, used as catalyst in transesterification of acrylic esters); used as catalyst in polymerization reaction(such as, used as Ziegler Natta catalyst in polymerization reaction of epoxy resin, of phenolic plastic, of silicone resin, or of polybutadiene, it has higher stereoselectivity); used in synthesis of pharmaceuticals; used as crosslinking agent in polymer paints, or resin paints, it can improve its corrosion resistance, it can improve its adhesive on the surface; used directly as material surface modifier agent, or adhesion promoter agent.