

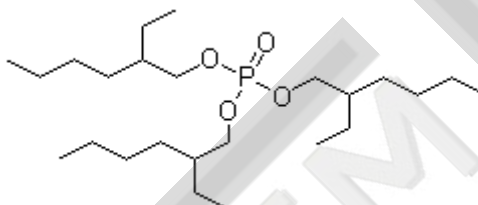
TECHNICAL DATA SHEET

NAME OF COMMODITY: Tri-Iso-Octyl Phosphate (TOP)

CAS NO.: 78-42-2

MOLECULAR FORMULA: C₂₄H₅₁O₄P

MOLECULAR WEIGHT: 434.64



STRUCTURE FORMULA:

TESTS	SPECIFICATIONS
Appearance	Colorless Transparent Liquid
Color Pt-Co	20 Max
ACID VALUE (KOH mg/g)	0.1 Max
Density - GC %	0.924 ± 0.003
Content - GC %	99 Min
Diocetyl Phosphate Content - GC %	0.1 Max
Octanol Content - GC%	0.1 Max
Flash Point °C	192 Min
SURFACE TENSION (20~25°C) mN/m	18 Min
Water Content %	0.15 Max

APPLICATION:

TOP is now chiefly used as a processing solvent, instead of as hydro-terpineol for producing hydrogen peroxide by the anthraquinone process. It is an ideal solvent in this process, for its low volatility and good extraction distribution coefficient.

TOP is also a cold-resisting and fire-retarding plasticizer and applied in ethylenic and cellulosic resins, also synthetic rubbers. The cold resisting property is superior to the adipate esters.

PACKING: net 180 kg drums; 14.4 mt / 20' fcl, palletized or ISO tank