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Typical Product Specifications & Properties

tert-Butyl acetate

CAS Number: : 540-88-5

Specifications	Limits
Practically Insoluble	in water
Electrical Resistivity	23.8
Evaporation residue	No more than 0.002%
Freezing Point	-62 C
2,4,4-three Methyl 1 Pentene	Less than 0.2%
Water Content	No more than 0.05%
Boiling Point	98 C
Tertiary Butyl Alcohol	Less than 0.2%
Relative Density (20 °C)	0.860 ~ 0.866 g/cm ³ (Water=1)
Maximum Increment Reactivity	0.20g Ozone (g TBAC)
Relative Vapor Pressure	4
Appearance	Liquid, Clear, Colorless



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Specifications	Limits
Auto Ignition Temp	518 C
Flash Point	4.4 C (Tag Closed Cup)
Water solubility	0.8% (@20 C)
Surface Tension	22.4 (Dynes/cm @ 20 C)
Dielectric Constant	1.97 (DIC @ 20 C, Cyclohexane)
Evaporation Rate	2.8
Upper Flammable Limit	6.88 vol%
Lower Flammable Limit	1.26 vol%
Odor	Sweet fruit odor
Refractive Index	n ₂₀ / D _{1.386} (lit)
Stability	Stable
Molecular weight	116.16



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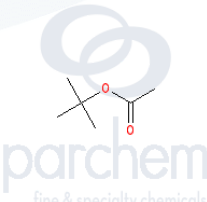
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Specifications	Limits
Tert-Butyl Acetate content	At least 99.5%
Acidity (Acetic Acid)	No more than 0.05%
Viscosity (Centistokes)	Less than 1.2 (@ 20 C)
Critical Pressure	3.17 MPa
Saturated Vapor Pressure	6.3 MPa (25 C)
pH	6 ~ 7
Solubility	7.7
Odor Threshold	71 ppb

Specifications	Limits
Color	colorless clear liquid
Specific gravity	0.896 (20 c)
Chemical Structure	 parchem fine & specialty chemicals



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