

## SPECIFICATION

### Trimethylacetyl Chloride

Parameters	Specification
CAS Number	3282-30-2
Appearance	Colorless liquid
Molecular Formula	C <sub>5</sub> H <sub>9</sub> ClO
Molecular Weight	120.57 g/mol
Boiling Point	83 °C
Melting Point	-60 °C
Flash Point	-21 °C
Purity	98-99%
Refractive Index	1.41
Solubility	Reacts with water to form pivalic acid and HCl; soluble in organic solvents; insoluble in water
Uses	Used as an acylating agent to form pivaloyl derivatives (esters and amides); used in organic synthesis to introduce tert-pivaloyl groups

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