

# Typical Product Specifications & Properties

## Benzalacetophenone

**CAS Number: : 94-41-7**

Specifications	Limits
Molecular weight	208.26
EINECS	202-330-2
SMILES	<chem>c1ccc(cc1)/C=C/C(=O)c2ccccc2</chem>
InChI	1S/C15H12O/c16-15(14-9-5-2-6-10-14)12-11-13-7-3-1-4-8-13/h1-12H
InChIKey	DQFBYFPFKXHELBUHFFFAOYSA-N
Henry's Law Constant	2.32E-07 atm-m <sup>3</sup> /mole
Water solubility	92.9 mg/L
Boiling Point	346.5 °C
Atmospheric OH Rate Constant	2.34E-11 cm <sup>3</sup> /molecule-sec
log P (octanol-water)	3.08
Melting Point	57.5 °C
Vapor Pressure	1.07E-04 mm Hg

Specifications	Limits
Melting Point	55-59 °C
Solubility	dioxane: soluble 1g/10 mL, clear, colorless
Flash Point	>230 °F
Storage Temperature	Storage temperature: no restrictions.
Boiling Point	208 °C/25 mm Hg
Merck	2037