

## Typical Product Specifications & Properties

# Phenylhydrazine

CAS Number: : 100-63-0

Specifications	Limits
Molecular weight	108.14
EINECS	202-873-5
SMILES	<chem>c1ccc(cc1)NN</chem>
InChI	1S/C6H8N2/c7-8-6-4-2-1-3-5-6/h1-5,8H,7H2
InChIKey	HKOOXMFOFWEVGF-UHFFFAOYSA-N
Vapor Pressure	0.026 mm Hg
Melting Point	19.6 &deg; C
pKa Dissociation Constant	8.79
Atmospheric OH Rate Constant	4.27E-11 cm <sup>3</sup> /molecule-sec
log P (octanol-water)	1.25
Water solubility	1.27E+05 mg/L
Boiling Point	243.5 &deg; C

Specifications	Limits
Henry's Law Constant	4.42E-09 atm-m <sup>3</sup> /mole
Merck	14,7293
Stability	Stable, but may decompose in sunlight. May be air or light sensitive. Incompatible with strong oxidizing agents, metal oxides.
Storage Temperature	Store at room temperature.
BRN Number	606080
Flash Point	192 °F
Sensitive	Air & Light Sensitive
Density	1.099 g/mL at 25 °C
Boiling Point	238-241 °C
Vapor Density	4.3
Refractive Index	1.607
Solubility	Soluble in dilute acids.

Specifications	Limits
Melting Point	19 °C
Water solubility	145 g/L (20 °C)
Vapor Pressure	<0.1 mm Hg ( 20 °C)