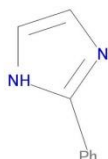




Technical Data Sheet

Product name:	2-Phenylimidazole
Product Form:	solid
Chemical name:	2-Phenylimidazole
Synonym:	2-Phenyl-1H-imidazole
CAS No:	670-96-2
EINECS No:	211-581-7
Molecular formula:	C ₉ H ₈ N ₂
Molecular weight:	144
IUPAC name:	2-Phenylimidazole

Structure formula:



Chemical Specification

Appearance:	White powder
Assay (%):	99.0 min.
Melting Point (°C):	140-147
Moisture (%):	0.5 max.

Physical Property

Melting Point (°C):	142	
Boiling Point (°C):	340.0	
pKa Dissociation Constant	6.48	@ 25°C
Log P (octanol-water):	1.88	
Water solubility (mg/l):	1990	@ 25°C
Vapor Pressure (mmHg):	1.13E-05	@ 25°C
Henry's law constant (atm-m ³ /mole)	2.88E-07	@ 25°C
Atmospheric OH Rate Constant (cm ³ /molecule-sec):	6.59E-11	@ 25°C

Packing: in 25kgs net fiber drum on pallet or as required

Shelf life: 12months