



Resonance
Specialties

Resonance Specialties Limited

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Website: www.resonancesl.com CIN: [L25209MH1989PLC051993](https://www.mca21.gov.in/cin/L25209MH1989PLC051993) GST: [27AAACA9590Q1ZW](https://www.gst.gov.in/gst/27AAACA9590Q1ZW)

TECHNICAL DATA SHEET

PYRIDINE 1°

Physical Data

Molecular Formula	C ₅ H ₅ N
Molecular weight	79.10g/mol
CAS Number	110-86-1

Specifications

Description	Clear Colourless to pale yellow liquid
Odour	Characteristic odour
Colour	Maximum 20APHA
Moisture content (by KF)	0.10%
Relative density at 25°C	0.985 About
Distillation range at 760 mm	1% – 97% by volume distill between at range of 1° C
Residue on evaporation	0.002% w/w
Miscibility	Miscible with water, shows no opalescence or separation
Ammonia Cmpds as(NH ₄)	600ppm max
Chloride (as Cl)	10 ppm max
Sulphate (as SO ₄)	10 ppm max

Purity on GC, FID, % Area	Min 99.5%
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PACKING

190 kg MS Drums / 200 kg HMHDPE Drums

HEALTH HAZARD

Highly Inflammable

TARGET ORGANS

May cause CNS depression, irritation of skin and respiratory tract. Large doses may produce G.I. disturbances, kidney and liver damage.

APPLICATIONS

- Intermediate for herbicides like diquat and paraquat; insecticides like chloropyrifos; antifungal agents like zinc pyrithione
- As a solvent for acylations, dehydrochlorination reactions
- As Denaturant
- As an acid scavenger
- Dyes & Bulk drugs intermediate