



PRODUCT DATA SHEET

PYRIDINE 1°

PHYSICAL DATA

Molecular Formula **C₅H₅N**

Molecular Weight **79.10**

CAS Registry Number **110-86-1**

SPECIFICATIONS

Appearance **Clear Colourless to pale yellow liquid**

Odour **Characteristic odour**

Colour **Maximum 20 APHA**

Moisture Content(byKF) **0.10%**

Relative Density at 25° **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 (NH₄) **600 ppm max**

Chloride (as cl) **10 ppm max**

Sulphate (as SO₄) **10 ppm max**

Purity on GC, FID, % Area **min 99.5%**

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**