

Imidazole

Technical Data Sheet

October 2007



Formula..... $C_3H_4N_2$
Molecular Weight68.1
PRD Number30037074
CAS Registry Number.....288-32-4



Product Specifications	Value	Test Method
Assay, % minimum	99.5	GC
1-Methoxymethylimidazole, % max	0.30	GC
2-Methylimidazole, % maximum	0.30	GC
4-Methylimidazole, % maximum	0.30	GC
High boilers, % maximum	0.30	GC
Water, % maximum	0.20	DIN 51 777
Color, APHA maximum	15	DIN EN 1557

Physical Properties

Boiling Temperature, °C	255-256
Melting Temperature, °C	88-90
Density @ 20°C, g/cm ³	500-600
Flash Point, °C	>135
Ignition Temperature, °C	480

Description

Imidazole is a crystalline powder with an amine-like odor. It is soluble in water.

Synonyms

1,3-Diaza-2,4-cyclopentadiene
1,3-Diazole
Imidazol
Methanimidamide, N,N'-1,2-ethenediyl

Safety

Imidazole is harmful if swallowed and it causes burns.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Applications

It is used as a:

- Pharmaceuticals
- Crop protection agents
- Pesticides
- Dyes
- Photographic chemicals
- Polyurethane catalysts
- Hardeners for epoxy resins
- Corrosion inhibitors

Packaging

Available in non-returnable drums.

Storage & Handling

Imidazole has a shelf life of 18 months. Protect from fire, and moisture as well as acids and acid substances.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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