

Diethylenetriamine

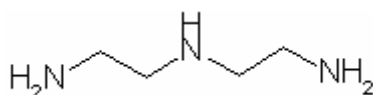
Technical Data Sheet

October 2007



Formula..... $C_4H_{13}N_3$
Molecular Weight103.2
PRD Number30036876
CAS Registry Number.....111-40-0

Product Specifications	Value	Test Method
Assay, % minimum	98.5	GC
Water, % maximum	0.5	DIN 51 777
Color, APHA maximum	30	DIN EN 1557



Physical Properties

Melting Temperature, °C	-40
Boiling Temperature, °C	206
Density @20°C, g/cm ³	0.96
Flash Point, °C	90
Ignition Temperature, °C	325

Description

Diethylenetriamine is a colorless to yellow liquid with an amine-like odor.

Synonyms

DETA
Bis(2-aminoethyl)amine
1,4,7-Triazaheptane
1,5-Diamino-3-azapentane
2,2'-Diaminodiethylamine
2,2'-Iminodiethylamine
3-Aza-1,5-pentanediamine

Safety

Diethylenetriamine is harmful in contact with skin and if swallowed. Causes burns and may cause sensitization by skin contact.

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

Applications

Intermediate used in the production of:

- Pharmaceuticals
- Pesticides
- Hardeners for epoxy resins
- Additives for fuels and lubricants
- Corrosion inhibitor
- Paper
- Textile industry
- Chelating agents
- Rubber chemicals
- Urethane catalysts
- Waxes
- Dyes

Packaging

Available in bulk and drums.

Storage & Handling

Diethylenetriamine must be protected from fire, explosion, static discharges, acids and acid forming substances.

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

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