

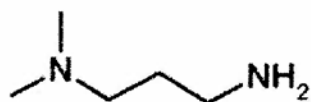
# Dimethylaminopropylamine (DMAPA)

## Technical Data Sheet

July 2009

**BASF**  
The Chemical Company

Formula .....  $C_5H_{14}N_2$   
Molecular Weight ..... 102.2  
PRD Number ..... 30076701  
CAS Registry Number ..... 109-55-7



Product Specifications	Value	Test Method
Assay, %	99.8	GC
1,3 DAP, ppm maximum	80	8466
Water, % maximum	0.05	DIN 51 777
Color, APHA maximum	15	DIN EN 1557

Physical Properties	
Melting temperature, °C	<-50
Boiling temperature, °C	135
Density @ 20°C, g/cm <sup>3</sup>	0.818
Ignition temperature, °C	215
Flash point, °C	32

### Description

Dimethylaminopropylamine (DMAPA) is a colorless to yellow liquid, with an amine-like odor. It is miscible in water.

### Synonyms

DMAPA  
3-(Dimethylamino)propylamine  
Dimethylaminopropylamine  
N,N-Dimethyl-1,3-propanamin  
1-(dimethylamino)-3-aminopropane  
N,N-Dimethyl-1,3-diaminopropane  
N,N-Dimethyl-1,3-propylenediamine

### Safety

DMAPA can cause burns and is flammable. It is harmful if swallowed and has a risk of serious damage to eyes. Wear protective clothing, gloves, and eye/face protection.

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

### Applications

Intermediate used in the production of:

- Agricultural chemicals
- Amphoteric surfactants
- Anti-static agents
- Dye intermediates
- Epoxy curing agents
- Fabric softeners

### Packaging

This product is available in bulk and drums.

### Storage & Handling

DMAPA has a shelf life of 24 months in unopened, original containers. It must be protected from fire, explosions, sources of ignition and electrostatic charges, acids and acid forming substances. Ensure thorough ventilation of work and storage area.

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

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