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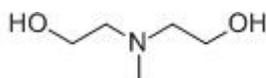
## Technical Data Sheet

### **N-Methyldiethanolamine**

#### **Product Information**

Chemical Name	N-Methyldiethanolamine
CAS #	105-59-9
Formula	C <sub>5</sub> H <sub>13</sub> NO <sub>2</sub>
Molecular Weight	119.16372
Synonyms	MDEA; 2,2'-(Methylimino)diethanol

Chemical Structure



#### **Description**

N-Methyldiethanolamine, MDEA. It is a colorless or yellowish sticky liquid without suspended substance

#### **Physical Properties**

Melting point, °C .	- 21
Boiling range, °C	246 -248
Density @ 25°C, g/cm <sup>3</sup>	1.038
Flash point, °C	127

#### **Specification**

Appearance	Colorless or light yellow liquid
Assay, by GC	99.0% MIN.
Water content	0.2% MAX.
MMEA	0.5 MAX.
Ethylene Glycol	0.3 MAX.

Di-ethylene Glycol	0.5 MAX.
Heavy Component	0.5 MAX.
Platinum-Cobalt-Hazen	80 MAX.
Specific gravity (20°C)	1.035~1.050 g/m <sup>3</sup>

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

Widely used in oil field gas and gas desulphurization purification of emulsifier and acidic gas absorption agent, ph control agent, polyurethane foam catalyst.MDEA also can be used as a pesticide, emulsifier, fabric additives of semi-finished products, antitumor drug intermediates and amino formic acid ester of hydrochloric acid nitrogen mustard coating catalyst, fiber additives, etc., at the same time, also is a kind of paint drying agent.

### Packaging

200kg per plastic or iron drum.  
16mt per 20ft container

### Storage & Handling

Suitable light light discharge, prevent hit so hard, do not inverted, avoid sharp, stored in a dry, cool and warehouse.

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

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