

- Chemical formula: C<sub>0</sub>H<sub>22</sub>N<sub>2</sub>
- · CAS No.: 3030-47-5
- HS No.: 2921 2900
- Registration No.: 01-2119979537-18-0000
- Appearance: Pentamethyldiethylenetriamine is colourless or yellowish liquid, strong amine-like odour.



Parameter	Unit	Requirements
Density at 20 °C	kg∕m³	829
Boiling point	°C	201.8
Flash point	°C	76
Melting point	°C	-20

# **APPLICATIONS AREA**

Pentamethyldiethylenetriamine is used as a **catalyst** of polyurethane foams and in manufacturing of epoxy resin hardener.

## SEGMENTS

- Manufacturing of epoxy resin hardener
- · Manufacturing of corrosion inhibitors
- · Manufacturing of oil additives
- Manufacuring of plasticizers
- Polyurethane catalyst

# SPECIFICATIONS

Parameter	Unit	Requirements
Pentamethyldiethylenetriamine	wt. % min.	98.0
Water	wt. % max.	0.5
Colour	Hazen max.	100

 $H_{3}C - N \xrightarrow{CH_{2}-CH_{2}-N} \underbrace{CH_{3}}_{CH_{2}-CH_{2}-N} \underbrace{CH_{3}}_{CH_{3}}$ 

## SYNONYMS

Bis-(2-dimethylaminoethyl)methylamine N-(2-Dimethylaminoethyl)-N,N´,N´-trimethyl-ethane-1,2diamine

### **HEALTH HAZARD EFFECTS**

Toxic in contact with skin. Causes burns. Harmful if swallowed.

## **ADR REGULATIONS**

UN 2922 CORROSIVE LIQUID, TOXIC, N.O.S. [N,N-BIS(2-DIMETHYLAMINOETHYL)METHYLAMINE], 8 (6.1), II, (E)

# PACKAGING

Road tank cars	
Drums (216 l)	170 kg
BC (1,000 l)	795 kg
Tank containers	

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