

CAS 2212-32-0 DABCO T TMAEA Lupragen N400 CATALYST JD-36

N-Methyl-N-(N,N-dimethylaminoethyl)-aminoethanol

CAS No.2212-32-0

Chemical Name: N-Methyl-N-(N,N-dimethylaminoethyl)-aminoethanol

Synonyms DABCO T; TMAEEA; TMAEA; Lupragen N400;CATALYST JD-36;FENTACAT TMAEEA;LUPRAGEN(R) N 400;N,N-Dimethyl-N'-methylaminoalcohol;N,N,N'-TRIMETHYLAMINOETHYLETHANOLAMINE;N,N-Dimethylamino-N'-methylaminoalcohol

CBNumber:CB9448805

Molecular Formula:C7H18N2O

Molecular Weight:146.23

MDL Number:MFC00010387



Business and technology contact: sales@newtopchem.com

Brand Designation / Product Code Table

Brand / Manufacturer	Product Grade / Code	Notes
Dabco (Evonik / ex-Air Products)	Dabco T	The widely recognized industry benchmark for this reactive amine compound.
Jeffcat (Huntsman)	Jeffcat T (<i>or Jeffcat ZR-70</i>)	Huntsman's standard reactive amine catalyst corresponding to CAS 2212-32-0.
KAOLIZER (Kao Corporation)	KAOLIZER No. 23	Kao's amine catalyst series designation for this structure.
Lupragen (BASF)	Lupragen N106	BASF standard product designation.
Polycat (Evonik)	Polycat 17 (<i>or Polycat T</i>)	Evonik's specialty amine line grade for this molecule.
Tegoamin (Evonik)	Tegoamin T	Evonik's brand designation within its Tegoamin foam catalyst series.
Toyocat (Tosoh)	Toyocat-RX5	Tosoh's amine catalyst line grade.
FASCAT (PMC Organometallics)	N/A (Not Applicable)	FASCAT is exclusively reserved for organometallic catalysts (tin, bismuth, titanium, etc.), not pure tertiary amine catalysts like CAS 2212-32-0.
U-CAT (San-Apro)	U-CAT 2000 (<i>or U-CAT T</i>)	San-Apro's amine catalyst grade for this structure.

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Properties

Boiling point 207 °C(lit.)

Density 0.904 g/mL at 25 °C(lit.)

vapor pressure 58Pa at 25°C

refractive index n_{20/D} 1.4539(lit.)

Flash point 188 °F

storage temp. Refrigerator

solubility Chloroform, Methanol (Slightly)

pka 14.72±0.10(Predicted)

form Oil

color Colourless to Yellow

Water Solubility 1000g/L at 20°C

InChI InChI=1S/C7H18N2O/c1-8(2)4-5-9(3)6-7-10/h10H,4-7H2,1-3H3

InChIKey LSYBWANTZYUTGJ-UHFFFAOYSA-N

SMILES C(O)CN(CCN(C)C)C

LogP -0.584 at 22.2°C

UNSPSC Code 12352100

NACRES NA.22

SAFETY

Signal word Warning

Hazard statements H315-H319-H335

Precautionary statements P261-P264-P271-P280-P302+P352-P305+P351+P338

target organs Respiratory system

PPE Eyeshields, Gloves, type ABEK (EN14387) respirator filter

Hazard Codes Xi

Risk Statements 36/37/38

Safety Statements 26-36/37/39

WGK Germany 3

TSCA TSCA listed

HS Code 2922.19.9690

Storage Class 10 - Combustible liquids

Hazard Classifications Eye Irrit. 2

Skin Irrit. 2

STOT SE 3

REACH Registrations Active

N-Methyl-N-(N,N-dimethylaminoethyl)-aminoethanol

Chemical Properties, Uses, Production

Chemical Properties

Colorless to pale yellow transparent liquid

Uses

2-{[2-(Dimethylamino)ethyl]methylamino}ethanol (dmemH) has been used in the preparation of new iron clusters:

$[\text{Fe}_7\text{O}_4(\text{O}_2\text{CPh})_{11}(\text{dmem})_2]$

$[\text{Fe}_7\text{O}_4(\text{O}_2\text{CMe})_{11}(\text{dmem})_2]$

$[\text{Fe}_6\text{O}_2(\text{OH})_4(\text{O}_2\text{CBut})_8(\text{dmem})_2]$

Flammability and Explosibility

Not classified

N-Methyl-N-(N,N-dimethylaminoethyl)-aminoethanol

Preparation Products And Raw materials

Raw materials

2-Methylaminoethanol Formaldehyde 2-(2-Aminoethylamino)ethanol

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