Ethanamine, N-ethyl-N-nitroso-

Other names:	Diethylamine, N-nitroso-
	Diethylnitrosamine
	DENA
	N-Nitroso-N,N-Diethylamine
	N-Nitrosodiethylamine
	N,N-Diethylnitrosoamine
	Nitrosodiethylamine
	Diaethylnitrosamin
	Diethylnitrosoamine
	DEN
	Ethylamine, N-nitrosodi-
	N-Ethyl-N-nitrosoethanamine
	N,N-Diethylnitrosamine
	NDEA
	Diethylnitrosamide
	N-Nitroso-diaethylamine
	Rcra waste number U174
	N-Ethyl-N-nitroso-ethylamine
	DEN (mutagen)
	NSC 132
Inchi:	InChI=1S/C4H10N2O/c1-3-6(4-2)5-7/h3-4H2,1-2H3
InchiKey:	WBNQDOYYEUMPFS-UHFFFAOYSA-N
Formula:	C4H10N2O
SMILES:	CCN(CC)N=O
Mol. weight [g/mol]:	102.14
CAS:	55-18-5

Physical Properties

Property code	Value	Unit	Source
hf	-226.55	kJ/mol	Joback Method
hvap	35.64	kJ/mol	Joback Method
ie	8.76	eV	NIST Webbook
log10ws	-1.25		Crippen Method
logp	1.010		Crippen Method
mcvol	88.750	ml/mol	McGowan Method
pc	3801.00	kPa	Joback Method
rinpol	144.23		NIST Webbook

rinpol	139.17		NIST Webbook
rinpol	876.00		NIST Webbook
rinpol	881.00		NIST Webbook
rinpol	876.00		NIST Webbook
rinpol	139.17		NIST Webbook
tb	450.10	K	NIST Webbook
tc	533.59	K	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55185&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature