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Typical Product Specifications & Properties

N,N-Dimethyl-4-nitrosoaniline

CAS Number: : 138-89-6

Specifications	Limits
Molecular weight	150.18
InChI	1S/C8H10N2O/c1-10(2)8-5-3-7(9-11)4-6-8/h3-6H,1-2H3
InChIKey	CMEWLCATCRTSGF-UHFFFAOYSA-N
pKa Dissociation Constant	4.544
Melting Point	92.5 ° C
Water solubility	1370 mg/L
log P (octanol-water)	2.040
Atmospheric OH Rate Constant	1.96E-10 cm ³ /molecule-sec
Henry's Law Constant	8.96E-07 atm-m ³ /mole
Vapor Pressure	0.406 mm Hg
Melting Point	85-87 °C
Stability	Stable. Incompatible with strong oxidizing agents, strong reducing agents, strong acids, acetic acid, acetic anhydride. Highly flammable (?)



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Specifications	Limits
Density	1,15 g/cm ³
BRN Number	607293
Merck	14,6638
Storage Temperature	Flammables area
Chemical Structure	 50636 N,N-Dimethyl-4-nitrosoaniline chemical structure



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