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Typical Product Specifications & Properties

Guanidine, N-methyl-N'-nitro-N-nitroso-

CAS Number: : 70-25-7

Specifications	Limits
Molecular weight	147.09
EINECS	200-730-1
SMILES	<chem>C(N(N=O)C)(N[N+](=O)[O-])=N</chem>
InChI	VZUNGTLZRAYYDE-UHFFFAOYSA-N
InChIKey	1S/C2H5N5O3/c1-6(5-8)2(3)4-7(9)10/h1H3,(H2,3,4)
Atmospheric OH Rate Constant	1.26E-12 cm ³ /molecule-sec
Melting Point	118 (dec) ° C
Water solubility	2.67E+05 mg/L
log P (octanol-water)	-0.920
Henry's Law Constant	1.22E-12 atm-m ³ /mole
Vapor Pressure	1.20E-04 mm Hg
Water solubility	Reacts violently



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Specifications	Limits
Melting Point	118°C (dec.)
Storage Temperature	0-6°C
Stability	Unstable. Reacts violently with water. May detonate under impact. Heat, light and moisture sensitive. May explode if stored in sealed ampules. Highly flammable. Incompatible with aqueous solutions, acids, bases, oxidizing agents, reducing agents
Merck	6103
Merck	14,6103



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