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## Typical Product Specifications & Properties

# Tetranitromethane

CAS Number: : 509-14-8

Specifications	Limits
Molecular weight	196.03
EINECS	208-094-7
InChI	1S/CN4O8/c6-2(7)1(3(8)9,4(10)11)5(12)13
InChIKey	NYTOUQBROMCLBJ-UHFFFAOYSA-N
Vapor Pressure	8.42 mm Hg
Water solubility	8.50E+04 mg/L
Atmospheric OH Rate Constant	5.20E-13 cm <sup>3</sup> /molecule-sec
Boiling Point	126.1 °C
Henry's Law Constant	2.56E-05 atm-m <sup>3</sup> /mole
log P (octanol-water)	-2.050
Melting Point	13.8 °C
Density	1.637 g/mL at 25 °C



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Specifications	Limits
Merck	13,9305
Boiling Point	126 &deg;C
Melting Point	13-14 &deg;C
Storage Temperature	2-8&deg;C
Vapor Pressure	8.4 mm Hg ( 20 &deg;C)
Flash Point	>230 &deg;F
Refractive Index	1.438
Stability	Stability Oxidizer. Reacts with a wide variety of materials including organics, brass, zinc, cotton, sodium, pyridine, toluene, aluminium, finely powdered metals. Heat, friction and shock sensitive. May decompose or react with other chemicals vi



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