

## Typical Product Specifications & Properties

# N,N''-Bis(3-aminopropyl)-1,3-propanediamine

CAS Number: : 4605-14-5

Specifications	Limits
Molecular weight	188.31
EINECS	225-007-8
SMILES	<chem>N(CCCNCCCN)CCCN</chem>
InChI	1S/C9H24N4/c10-4-1-6-12-8-3-9-13-7-2-5-11/h12-13H,1-11H2
InChIKey	ZAXCZCOUDLENMH-UHFFFAOYSA-N
Sensitive	Air Sensitive
Density	0.92 g/mL at 25 &deg;C
Refractive Index	1.491
Boiling Point	98-103 &deg;C/1 mm Hg
Flash Point	>230 &deg;F