

Technical Data Sheet**MERCK**

Product Group:

821101 N,N,N',N'-Tetramethyl-1,4-phenylenediamine for synthesis

Application:

Literature:

General Product Information:

Formula Hill	C ₁₀ H ₁₆ N ₂
Molar mass	164.25 g/mol
CAS number	100-22-1
EC index number	612-032-00-8
HS code	2921 51 90
EC number	202-831-6
SDS	available
R phrase	R 20/21/22
S phrase	S 28.1

Chemical /Physical Data:

Form	crystals	
Color	colourless to reddish	
Solubility in water	slightly soluble	20 °C
Solubility in ethanol	freely soluble	20 °C
Flash point	> 112 °C	
Boiling point	260 °C	
Melting point	48 - 50 °C	

Toxiological Data:

LD 50 oral LD oral rat 500 mg/kg

Package Information:

Order Number:	Package:	Packages per pallet:	Packages:
8211010005	5 g		Glass bottle
8211010025	25 g		Glass bottle

Specification:

Assay (HPLC, area%)	≥ 98 %
Melting range (lower value)	≥ 45 °C
Melting range (upper value)	≤ 50 °C
Identity (IR)	passes test

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Advice:

Consulting services

We offer our customers consulting services in questions of application technology to the best of our knowledge within the framework of the prevailing circumstances. Information and recommendations given by us are without obligation.

The existing laws and directives are to be complied with in all cases. This also applies to any protection rights of third parties.

Our suggestions do not exempt our customers from the necessity of taking responsibility for checking our products for their suitability for the purposes intended.

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