



Westfalen

Product sheet Secudur® N

Product name	Secudur® N
Physical state	gaseous, compressed
Chemical sign	N ₂
Chemical designation	N2
Purity	99,9999 %
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	jet black (RAL 9005)

Minor components	Maximum values
Carbon monoxide	5,0 vol. ppm
Carbon dioxide	5,0 vol. ppm
Moisture	5,0 vol. ppm
Oxygen	5,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Secudur® NT50 RCyl	B00390150	steel	50,0 l	200,0 bar	9,6 m ³	NBN 226 Forme B	Cage
Secudur® N RBundle12	B00390312	steel	600,0 l	200,0 bar	115,2 m ³	NBN 226 Forme B	Cage

Unless otherwise stated, these refer to filling pressure at 288,15K (15°C) and to content at 288,15K (15°C) and 1,013 bar.

Secudur® N fulfils the product specifications of the European Pharmacopoeia (PhEur) and is manufactured using the PhEur. Manufacturing analytics with regard to impurities.

Typical applications

- for inerting
- in the production of pharmaceutical agents (e.g. rinses, injections)
- in packaging in the pharmaceutical field



Physical data		
operating figures	Molar mass	28,01 g mol ⁻¹
Liquid State	Heat of Evaporation	198,70 kJ kg ⁻¹
	Liquid Density	808,6 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0250 kg m ⁻³
	Density Ratio to Air (at 288.15 K and 1.013 bar)	0,97
	Specific heat (at 298.15 K and 1.013 bar)	1,04 kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	1,25 kg m ⁻³
Critical Point	Temperature	126,2 (-147,0) K (°C)
	density	314 kg m ⁻³
	Pressure	34,00 bar
Triple Point	Temperature	63,2 (-210,0) K (°C)
	Vapour Pressure	0,1253 bar
	Heat of Fusion	25,8 kJ kg ⁻¹

All mentioned data, values and notes correspond to actual state of knowledge on the date of printing. They make no claim to be correct or complete and therefore do not release the user from his obligation to check them.

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