Product sheet Corpadur® N liquid

Product name	Corpadur® N liquid
Physical state	cryogenically liquefied
Chemical sign	N_2
Chemical designation	Nitrogen
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	none, proper transport marking in accordance with ADR

Minor components	Maximum values
Oxygen	50,0 vol. ppm
Moisture	67,0 vol. ppm
Carbon dioxide	300,0 vol. ppm
Carbon monoxide	5,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Corpadur® N, liquid, Bulk	A011315					plant specific	
Corpadur® N, liquid, LIN-Service	A011319					plant specific	
Unless otherwise stated, these refer to content at 288,15K (15°C) and 1,013 bar.							

Corpadur® N is marketed in accordance with the requirements of EU Directive 93/42/EEC for medical devices and is the subject of a declaration of conformity (CE mark). Corpadur®N is the trade name for liquid nitrogen as a medical device.
Also available in mobile small containers in different sizes: 175 L, 230 L, 600 L (geometric volume).

Typical applications
■ according to the instructions for use

Physical data		
operating figures	Molar mass	28,01 g mol^{-1}

Physical data		
Liquid State	Boiling Point	77,35 (-195,8) K (°C)
	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 J s^{-1} m^{-1} K^{-1}
	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 kJ kg^{-1} K^{-1}
	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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