



Westfalen

Product sheet Secudur® C

Product name	Secudur® C
Physical state	liquefied under pressure
Chemical sign	CO ₂
Chemical designation	CO ₂
Purity	99,995 %
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	dusty grey (RAL 7037)

Minor components	Maximum values
Carbon monoxide	5,0 vol. ppm
Nitrogen monoxide + nitrogen dioxide	2,0 vol. ppm
Total sulphur	1,0 vol. ppm
Moisture	5,0 vol. ppm

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Secudur® C T50 RCyl: 37,5 kg	B07190150	steel	50,0 l	50,9 bar	37,5 kg	NBN 226 Forme B	Cage

Unless otherwise stated, these refer to vapour pressure at 288,15K (15°C) and to content at 288,15K (15°C) and 0,981 bar.

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

Typical applications

- for the fumigation of sensitive processes in the pharmaceutical industry

Physical data

operating figures	Heating value Hi	1562 kWh m ⁻³
	Global warming potential (GWP ₁₀₀)	194,65 (-78,5)



Physical data		
	Calorific value Hs	571,08 kWh m ⁻³
Sublimation Point	Density	1,98 kg m ⁻³
Liquid State	Boiling Point	1,53 K (°C)
	Heat of Evaporation	0,0157 kJ kg ⁻¹
	Boiling temperature at the bubble point	0,83 K (°C)
	Liquid Density	304,21 (31,1) kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	5,185 kg m ⁻³
	Specific heat (at 298.15 K and 1.013 bar)	216,6 (-56,6) kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	73,83 kg m ⁻³
Critical Point	Temperature	196,7 K (°C)
	Pressure	APLC_17 bar

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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