



Westfalen

Product sheet Wegaleen®

Product name	Wegaleen®
Physical state	liquefied under pressure
Chemical sign	C ₃ H ₆
Chemical designation	C3H6
Standard	is not subject to any standard
Properties	see safety data sheet
Shoulder color	flame red (RAL 3000)

Components	
Propene	99,5 vol.%

Minor components		Maximum values
Hydrocarbons		0,5 vol.%

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Wegaleen T27 RCyl: 11,0 kg	B00250127	steel	27,0 l	9,0 bar	11,0 kg	NBN 226 Forme B	Cage
Wegaleen T79 RCyl: 33,0 kg	B00250179	steel	79,0 l	9,0 bar	33,0 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.

Typical applications	
■	for flame cutting
■	for heating and straightening

Physical data		
operating figures	Molar mass	42,08 g mol ⁻¹
	Ignition Range in Air	1,8-11,2 Vol.-%
	Calorific Value to DIN 51850	93576 kJ kg ⁻³
	Ignition Point	728 (454,9) K (°C)



Physical data		
Liquid State	Boiling Point	225,43 (-47,7) K (°C)
	Heat of Evaporation	437,94 kJ kg ⁻¹
	Liquid Density	613,9 kg m ⁻³
Gas State	Thermal Conductivity (at 288.15 K and 1.013 bar)	0,0156 kg m ⁻³
	Density Ratio to Air (at 288.15 K and 1.013 bar)	1,48
	Specific heat (at 298.15 K and 1.013 bar)	1,55 kg m ⁻³
	Density (at 273.15 K and 1.013 bar)	1,91 kg m ⁻³
Critical Point	Temperature	364,75 (91,6) K (°C)
	Pressure	46,10 bar
Triple Point	Temperature	87,8 (-185,4) K (°C)
	Vapour Pressure	4 x 10 ⁻⁹ bar
	Heat of Fusion	71,4 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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