



Westfalen

Product sheet ISCEON® MO49Plus (R-437A)

Product name	ISCEON® MO49Plus (R-437A)
Physical state	liquefied under pressure
Chemical sign	CHF ₂ CF ₃ + CF ₃ CH ₂ F + C ₄ H ₁₀
Chemical designation	R-437A
Purity	99,5 %
Standard	DIN 8960
Properties	see safety data sheet
Shoulder color	yellow green (RAL 6018)

Components	
R-125 (Pentafluoroethane)	19,5 wt%
R-134a (1,1,1,2-Tetrafluoroethane)	78,5 wt%
R-600 (n-Butane)	1,4 wt%
R-601 (n-Pentane)	0,6 wt%

Minor components	Maximum values
organic substances	0,5 wt%
Moisture	25,0 wt. ppm
high-boiling residues	50,0 wt. ppm
non-condensable gases	1,5 vol.%

Name	Material number	Bottle type	Bottle container volume	Vapour/filling pressure	Content	Valve	Properties
Refrig. ISCEON MO49+ R437A T27 RCyl:26kg	S06700127	steel	27,0 l		26,0 kg		
Refrig. ISCEON MO49+ R437A T61 RCyl:61	S06700161	steel	61,0 l		61,0 kg		

Vapour pressure corresponds to 293.15 K (20°C).



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Typical applications

- as a refrigerant
- in cooling

Physical data

operating figures	Safety group according to DIN EN 378	A1
	Global warming potential (GWP ₁₀₀)	1805
	Molar mass	103,71 g mol ⁻¹
	Flammability (LFL)	- kg m ⁻³
	ozone depletion potential	0
	practical threshold value	0,08 kg m ⁻³
Liquid State	Boiling temperature at the bubble point	240,25 (-32,9) K (°C)
Critical Point	Temperature	369,05 (95,9) K (°C)
	density	512,59 kg m ⁻³
	Pressure	40,96 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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