



SOLSTICE® ze REFRIGERANT

NAME: SOLSTICE® ze REFRIGERANT

TYPE: HFO1234ze (trans-1,3,3,3-Tetrafluoroprop-1-ene)

CHEMICAL FORMULA: CF₃CH=CHF

TYPICAL USE: REFRIGERANT GAS

TYPICAL PROPERTIES:

Purity	> 99,5	% wt
Moisture	< 50	mg/Kg
Acidity	< 1	mg/Kg
Residues	< 100	ppm
Non condensable gas	< 1,5	% Vol

PHYSICAL PROPERTIES:

Colour	Colourless	
Odour	Slight ether-like	
Molecular weight	114	kg/kmol
Boiling point at 1.013 bar	-19	°C
Liquid Density at 20°C	1,19	Kg/dm ³
Liquid Density at 50°C	1,07	Kg/dm ³
Relative Vapour Pressure at 20°C	3,2	bar
Relative Vapour Pressure at 50°C	8,6	bar
Solubility in H ₂ O at 20°C	0,37	g/Lt
Ignition Temperature	368	°C
Critical temperature	109,4	°C
Critical pressure	36,3	bar
Critical density	489,24	kg/m ³
Enthalpy of Liquid at 25°	0,21	kJ/kg °C
Enthalpy of Vapor at 25°	0,77	kJ/kg °C
GWP	6÷7	
ODP	0	
ADR/RID	2.2	
UN NUMBER	3163	
CAS	29118-24-9	
EINECS	471-480-0	
ASHRAE	A2L	

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