

SOLSTICE® ze REFRIGERANT

NAME: SOLSTICEze 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