



R-422 D

(ISCEON MO29)

GUARANTEED COMMERCIAL SPECIFICATIONS

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition:	
R-125	65.1 % (- 1.1 /+ 0.9)
R-134a	31.5 % (- 1.0 /+ 1.0)
R-600a	3.4 % (- 0.4/+ 0.1)
Guaranteed purity	≥ 99 % weight
Water content	≤ 10 ppm weight
Chlorine ion test (silver nitrate test)	none
Acidity	≤ 1 ppm weight
Non-condensable content (gas phase)	≤ 1.5 % volume

MAIN APPLICATIONS

ISCEON[®] MO29 is a HFC type zeotropic mixture intended to replace R-22 as "drop-in" for refrigeration, air-conditioning, and fluid cooler type systems.

OILS

Use a mineral oil (MN), alkylbenzene (AB), or polyol ester (POE).

Check with **Climalife** regarding the viscosity of the oil selected for your application, and the miscibility with the fluid under consideration.

PRECAUTIONS OF USE

Refer to the Safety Data Sheet*.

REGULATION

In Europe, ISCEON[®] MO29 recovery is mandatory as per regulation n° 842/2006.
(Refer to regulations enforced in each country)

* Find the Safety Data Sheet (SDS) directly on our website www.climalife.dehon.com

**R-422 D****R-422 D (ISCEON MO29) PHYSICO-CHEMICAL PROPERTIES**

Molar mass	g/mol	109.9
Melting point	°C	N/A
Boiling point (under 1.013 bar)	°C	-44.7
Temperature drift under 1.013 bar	K	4.76
Saturated fluid density at 25°C	kg/m ³	1143
Saturated vapour density at boiling point	kg/m ³	4.811
Vapour pressure at: 25°C 50°C	bar	11.28 20.80
Critical temperature	°C	79.6
Critical pressure	bar	39.08
Critical density	kg/m ³	528.7
Latent heat of vaporisation at boiling point	kJ/kg	190.06
Thermal conductivity at 25°C		
Liquid	W/(m.K)	0.066
Vapour under 1.013 bar		0.015
Surface tension at 25°C	10 ⁻³ N/m	5.496
Viscosity at 25°C		
Liquid	10 ⁻³ Pa-s	0.154
Vapour under 1.013 bar		0.0124
Specific heat at 25°C		
Liquid	kJ/(kg.K)	1.443
Vapour under 1.013 bar	kJ/(kg.K)	0.844
Cp/Cv ratio at 25°C under 1.013 bar		1.108
Flammability in air		non-flammable
Flashing point		none
NF-EN 378 classification		L1
Potential effect on ozone	(R-11 = 1)	0

Please contact your distributor or **Climalife** sales department for more information. Also, if the refrigerated system you want to install does not appear to you as a typical case, we are at your service to provide opinions and advices.

The information contained in this product sheet is the result of our studies and experience. It is provided in good faith, but should not, under any circumstance, be taken to constitute a guarantee on our part or an assumption of our responsibility. This is particularly the case when third party rights are at stake or in situations where a user of one of our products fails to observe applicable regulations.

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