



R-600a

Isobutane C₄H₁₀

GUARANTEED COMMERCIAL SPECIFICATIONS

STANDARD SPECIFICATIONS	LIMIT VALUE
Composition :	
Isobutane	≥ 99,5 % Volume
Propane	≤ 0,40 % Volume
n-butane	≤ 0,25 % Volume
Unsaturated C4	≤ 0,01 % Volume
Odour	none
Water content	≤ 12 ppm weight

MAIN APPLICATIONS

Isobutane (R-600a) of very high purity is a hydrocarbon (HC) used for refrigeration.

OILS

Use a mineral oil (MO), alkylbenzene (AB) or poly alpha olefin (PAO).

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

R600a is classified as an extremely flammable product (A3)

Refer to the ERP of 14th February 2000 published in the Official Journal of 21st March 2000.

(Refer to regulations enforced in each country)

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



R-600a

climalife[®]**R-600a PHYSICAL PROPERTIES**

Molar Mass	g/mol	58,12
Boiling point (at 1.013 bar)	°C	- 11,7
Saturated liquid density at 15°C	kg/dm ³	0,564
Saturated vapour density at 15°C	kg/dm ³	0,007
Vapour pressure at 20°C	bar	2,2 ± 0,2
Critical Temperature	°C	134,98
Critical Pressure	bar	37,2
Latent heat of vaporisation at boiling point and 1,013bar	kJ/kg	366,70
Cp/Cv ratio at 15°C and 1.013 bar		1,0958
Auto Ignition Temperature	°C	460
Flash point	°C	-82,8
Flammability limits in air at 20 °C and at 1,013 bar - Lower flammability limit - Upper flammability limit	% en volume	1,8 9,4
Ashrae Classification		A3
Ozone Depletion Potential	(R11 = 1)	0
GWP	(CO ₂ = 1)	20
Volatile Organic Compound		yes

Please contact your distributor or our **Climalife** sales department for more information. In addition, if the refrigeration system you want to install, or are working on, does not appear to be a typical installation, please do not hesitate to contact us for advice and information.

Les renseignements contenus dans cette fiche produit sont les résultats de nos études et de notre expérience. Ils sont donnés de bonne foi, mais ne peuvent en aucun cas constituer de notre part une garantie, ni engager notre responsabilité, particulièrement en cas d'atteinte aux droits des tiers, ni en cas de manquement des utilisateurs de nos produits aux réglementations en vigueur les concernant.

Pour toute information complémentaire, consultez notre site internet :



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