

Product information

DRIVOSOL® R600a

Natural refrigerant

CAS NO.

iso-Butane

75-28-5

APPLICATIONS & PROPERTIES

DRIVOSOL® R600a is a colorless, liquefied gas made from highly purified iso-Butane.

PRODUCT SPECIFIC FEATURE

DRIVOSOL® R600a is an eco-compatible hydrocarbon and thus belongs to the group of natural refrigerants. Iso-Butane has a high energy efficiency with very good thermodynamic properties. Iso-Butane meets all requirements of the refrigeration technology.

APPLICATION FIELDS

Evonik's natural refrigerants R290, R600 & R600a can be used in almost any refrigeration application, such as refrigeration & freezing systems in private and commercial use, heat pumps, bottle coolers, air conditioners or refrigerated counters.

TRANSPORT & LOGISTICS

The delivery takes place in inspected and monitored means of transport in order to ensure the high quality standard of our DRIVOSOL® refrigerant, e.g. tank trucks, tank containers or rail tank cars.

Please contact us directly for individual mixtures of the natural refrigerants:

DRIVOSOL@evonik.com

SPECIFICATION

Property	Value	Unit	Method
Ethane (R170)	max. 0.1	% (w/w)	AA-0785-04-010*
Iso-Butane (R600a)	min. 95.0	% (w/w)	AA-0785-04-010*
Composition (R290/R600a/R600)	min. 99.5	% (w/w)	AA-0785-04-010*
Pentane	max. 0.05	% (w/w)	AA-0785-04-010*
1,3-Butadiene	max. 1	ppm (w/w)	AA-0785-04-011*
Sulphur	max. 0.5	ppm (w/w)	AA-0785-04-034*
Water	max. 10	ppm (w/w)	AA-0785-04-033*

* in-house method

PHYSICAL PROPERTIES

Property	Value	Unit	Method
Odor	No foreign odors		AA-0785-04-121*
Pressure	2.1 ± 0.1	bar	AA-0785-04-126*
Evaporation residue	max. 10	ppm (w/w)	DIN 51613
Density 20°C	0,557 ± 0,003	g/ml	DIN 51618
Color, appearance	clear		

* Inhouse method

CERTIFICATES

Current certifications according to DIN ISO 9001 and 14001 can be consulted on our website: www.evonik.com/C4-chemicals

DRIVOSOL® = is a registered trademark of Evonik Industries AG or its subsidiaries

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