

REPSOL AYLIN NEUTRAL

HIGH-PURITY LIQUEFIED GASES NET ZERO CARBON EMISSIONS (BUTANES/PROPANE)

Description

REPSOL AYLIN NEUTRAL range of products are liquefied gases produced from mixes of refinery streams, specially treated and hydrogenated to provide them with high levels of purity. The main components are Butanes (isobutane and n-butane) and propane.

The products of this range are "Carbon Neutral from cradle to gate", by compensation of emissions purchasing CO2 credits in the voluntary market and cancelling them afterwards in sustainable projects of recognized international prestige that are working and supporting Sustainability.

REPSOL AYLIN NEUTRAL are products committed with sustainability not contributing to increase the CO2 emitted to the atmosphere during their production process, reducing by this way their environmental impact.

REPSOL AYLIN ISOBUTANO NEUTRAL can be used for the food industry (E-943b).

Applications

The products in the REPSOL AYLIN NEUTRAL range are designed to act as propulsion mediums in packaged products (propellants) for various aerosol applications (air fresheners, insecticides, gardening, cosmetics, etc.) and as packaging gases in containers, preferably made of plastic (polymer expansion).

Its features include:

- Sustainable products.
- Highly balanced composition that ensures proper vapour pressure for each application.
- High oxidation resistance and very good storage stability.
- Zero corrosiveness.
- Environmentally friendly (Products neither pollute the environment nor damage the ozone layer).

Packaging

In bulk. 20-25 TM tanks.

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Technical Characteristics

	Unit	Method	35 NEUTRAL	38 NEUTRAL	45 NEUTRAL	ISOBUTANE NEUTRAL
Vapour pressure at 20 °C	Kg/cm2 rel	Calculation	2.3-2.7	2.5-2.9	3.0-3.4	2.05-2.35
Vapour pressure at 20 °C	psi a	Calculation	47.4-53.1	50.3-55.9	57.4-63	43.8-48.1
Content greater than C4	% v/v	ASTM D-2163	<0.05*	<0.05*	<0.05	<0.05
Ethane content	% v/v	ASTM D-2163	<0.5*	<0.5*	<1	
Unsaturated	% v/v	ASTM D-2163	<0.1*	<0.1*	<0.1	<0.01
1,3-butadiene	% v/v	ASTM D-2163	<0,001*	<0,001*	<0,001	<0,001
Residue	% v/v	ASTM D-2158	<0.1*	<0.1*	<0.1	<0.1
Sulphur	ppm	ASTM D-6667	<5*	<5*	<5	<5
Moisture	ppm	UOP-344	<25*	<25*	<25	<20
Smell	-	Organoleptic	Exempt	Exempt	Exempt	Exempt
Isobutane content	% v/v	ASTM D-2163				>95
N-butane content	% v/v	ASTM D-2163				<4
Propane content	% v/v	ASTM D-2163				<2

Unless otherwise indicated, the values presented in the technical data should be considered as typical values.

* calculated values