

PROPEL

High-purity liquefied gases
Butane/Propane



Specialities

Description

REPSOL's PROPEL range are liquefied gases produced from mixes of refinery streams and specially treated and hydrogenated to provide them with high levels of purity. Their typical 1.3-butadiene content is below 0.1%.

Applications

The products in the PROPEL range are designed to act as propulsion mediums in packaged products (propellants) for various applications (air fresheners, insecticides, gardening, cosmetics, etc.) and as packaging gases in containers, preferably made of plastic (polymer expansion). These products are conveniently purified and deodorised by means of hydrogenation and passage through a series of different fixed beds.

Its features include

- ✓ 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).

Technical Characteristics

	UNITS	METHOD	PROPEL 35	PROPEL 38	PROPEL 45	PROPEL 54
Vapour pressure at 20 °C	Kg/cm ² rel	CALCULATION	2.3-2.7	2.5-2.9	3.0-3.4	3.0-3.4
Vapour pressure at 20 °C	PSIA	CALCULATION	47.4-53.1	50.3-55.9	57.4-63	57.4-63
Content greater than C4	% v/v	CG	<0.05	<0.05	<0.05	<0.5
Ethane content	% v/v	CG	<0.5	<0.5	< 1	< 1
Unsaturated	% mol	CG	<0.1	<0.1	<0.1	<0.1
Waste	% v/v	ASTM D -2158	<0.1	<0.1	<0.1	<0.1
Sulphur	ppm	ASTM D -4468	< 5	< 5	< 5	< 5
Moisture	ppm	UOP-344 RR-823	<25	<25	<25	<25
Smell	-	Organoleptic	Exempt	Exempt	Exempt	Exempt

Packaging

In bulk. 20-25 TM tanks.

Unless otherwise indicated, the figures cited in the technical specifications should be considered typical

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