

REPSOL AYLIN ISOBUTANE

HIGH-PURITY LIQUEFIED GAS (E-943B)

Description

REPSOL AYLIN ISOBUTANE is a liquefied gas specially treated and hydrogenated to give it a high degree of purity, which allows it to be used in the food industry (additive E-943b). Its typical 1,3-butadiene content is below 5 vpm (CG).

Applications

This product's high purity and properties make it ideal for use as a telogen in manufacturing polyethylene and as a foaming agent for various expanded polymers (polyethylene, polystyrene, polyurethane, etc.), many of them used in the food industry. Due to its low waste production, it is also especially suitable as a propulsion medium (propellant) in aerosols and in special applications (such as the manufacture of lighters).

Its features include

- High purity and odour-free.
- 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.

Technical Characteristics

	Unit	Method	Value
Vapour pressure at 20 °C	Kg/cm2 rel	Calculation	2.05-2.35
Vapour pressure at 20 °C	psia	Calculation	43.8-48.1
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
Pentane content	% v/v	ASTM D-2163	<0.05
Unsaturated	% mol	ASTM D-2163	<0.01
1,3-butadiene	vpm	ASTM D-2163	<10
Residue	% v/v	ASTM D-2158	<0.1
Sulphur	ppm	ASTM D-4468	<5
Moisture	ppm	UOP-344	<20

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