

ISOBUTANE

High-purity liquefied gas (E-943b)



Specialities

Description

REPSOL's 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 0.1% (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).

Technical Characteristics

| | UNITS | INTERNAL METHOD | VALUE |
|--------------------------|------------------------|-----------------|-----------|
| Vapour pressure at 20 °C | Kg/cm ² rel | CALCULATION | 2.05-2.35 |
| Vapour pressure at 20 °C | psia | CALCULATION | 43.8-48.1 |
| Isobutane content | % v/v | CG | >95 |
| N-butane content | % v/v | CG | < 4 |
| Propane content | % v/v | CG | <2 |
| Pentane content | % v/v | CG | <0.05 |
| Unsaturated | % mol | CG | <0.01 |
| Waste | % v/v | ASTM D -2158 | <0.1 |
| Sulphur | ppm | ASTM D -4468 | < 5 |
| Moisture | ppm | UOP-344 | < 20 |

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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