

# **SPECIAL PRODUCTS**

**PROPELLANT, REFRIGERANT, PURE  
AND TECHNICAL HYDROCARBON GASES**

**GTS ›**  
**SPECIAL GAS**

[WWW.GTSSPA.COM](http://WWW.GTSSPA.COM)

# SUSTAINABLE PRODUCTION

Our new distillation plant produces propane (R290), iso-Butane (R600a), n-Butane (R600) and propylene (R1270) beyond grade 3.5, thus minimising moisture and non-condensable gas content.

The new production system features two distillation columns heated and cooled by two R290 heat pumps.

We can count on a fully automated and remotely controlled continuous process. Our plants also feature heating and cooling combined control that optimises water and power consumptions allowing GTS to be in line with the objectives of the green economy.



## ABOUT US

# A LEADING COMPANY IN THE PRODUCTION AND DISTRIBUTION OF SPECIAL HYDROCARBON GASES

## PROPELLANT, REFRIGERANT, PURE AND TECHNICAL GASES

GTS is part of QUIRIS Holding Industriale. From raw materials to production: our expert control of the supply chain in the production of Pure n-Butane, iso-Butane, Propane and Propylene, has made GTS a leading company in the Natural Gases market. We are active in different sectors, from aerosol industry to refrigeration and construction.

GTS operates 2 factories in Italy; in recent years major investments have been made to improve production both in terms of capacity and quality to comply with the highest standards and requirements, always in line with sustainability goals.

In a **continuous effort to support customers' growth and development**, in 2010 GTS purchased and renovated a factory in Romania. In 2015 we opened a new factory in Belgium, a step forward in Europe in view of a general international development. At the moment

we make business with many countries in Asia and South America. We've recently opened branches also in Brazil and Thailand, which enhanced our presence in Asian and South America markets. **A dynamic company, GTS is engaged in several projects through which new gases and new applications are developed. Here below a list of our products with related blends:**

- Propane (R290)
- iso-Butane (R600a)
- n-Butane (R600)
- Blends (R433-R436)
- Propylene (R1270)
- Aerosol Blends
- Food Grade (E944-E943b-E943b)
- Methane
- Ethane
- Ethylene
- Butenes
- Pentanes

## OUR PRODUCTS

# GTS HYDROCARBON GASES- A WIDE RANGE OF APPLICATIONS



GTS Sprays are odourless, and have a low olefin and sulphur content.

We are able to provide any pressures as well as tailor-made hydrocarbons blends to fit all customers' needs

### **GTS COSMETIC SPRAY:**

for deodorants, shaving foams, hairsprays, air fresheners and much more.

### **GTS TECHNICAL SPRAY:**

for lubricants, varnishes and paints, cleaning and household products.

Our main plant has been awarded with the food grade certification: E944 (Propane) E943a (N-butane) E943b (IsoButane), which means that our gases can be used in many food applications.



**POLARPURE GAS** is our hydrocarbons refrigerant product line. Our purification unit enables us to get a minimum purity of 99.5%. Our refrigerants have a very low GWP and do not cause ozone depletion. Our 'polarpure gases' are natural refrigerant representing the greenest and cheapest alternative to the phasing-out HFCs.



## OUR PRODUCTS RANGE

### **POLARPURE R600A**

Our pure Isobutane is mainly used in domestic refrigeration (fridges and freezers), yet it is also suitable for special applications, for example in LNG plants and power plants.

### **POLARPURE R1270**

Our polymer grade (99.5%+) Propylene is also used as a refrigerant. Please do not hesitate to request a special blend, we will be delighted to create it for you.

### **POLARPURE R290**

The pure Propane by GTS is mostly used in AC systems, commercial freezers & refrigerators, ice cube machines, bottle coolers, vending machines, cascade refrigeration systems, etc. It represents the best green alternative to HCFC and HFC gases, very harmful to the environment.

### **POLARPURE R600**

Our pure n-Butane can be used as such or as a component in blends.

**GTS**   
PUREPROPYLENE

### **GTS PURE PROPYLENE:**

It can be used in refrigeration, glass industry, welding, propylene production, vessels and refineries, and also as a purging gas for cartridge heaters, ...

**GTS**   
MULTI - APP

### **MISCELLANEOUS APPLICATION:**

Propylene mixed with propane is used in many different applications such as combustion and glass manufacturing.



## **OUR STRENGTHS**



**SPECIALISATION IN  
TRANSPORTATION LOGISTICS**



**AVAILABILITY  
OF ECOLOGICAL PRODUCTS**



**PRODUCTS QUALITY CONTROL  
CARRIED OUT  
IN OUR LABORATORIES**



## LOGISTICS AND SERVICES

Thanks to an in-house transport and logistic department and to the strategic locations of our factories WE ARE ABLE TO SUPPLY OUR PRODUCTS **ALL OVER THE WORLD**

Thanks to **many different packaging proposals**, RANGING FROM 5KGS CYLINDERS TO FULL 40 TONS ISOTANKS, **WE CAN ADAPT TO ALL YOUR NEEDS.**

## QUALITY CONTROL AND SAFETY

### QUALITY CONTROL

Each factory is equipped with a laboratory, that's why we are able to perform both standard and tailor-made analysis without delays.

Our laboratories are ISO 9001:2015 certified.

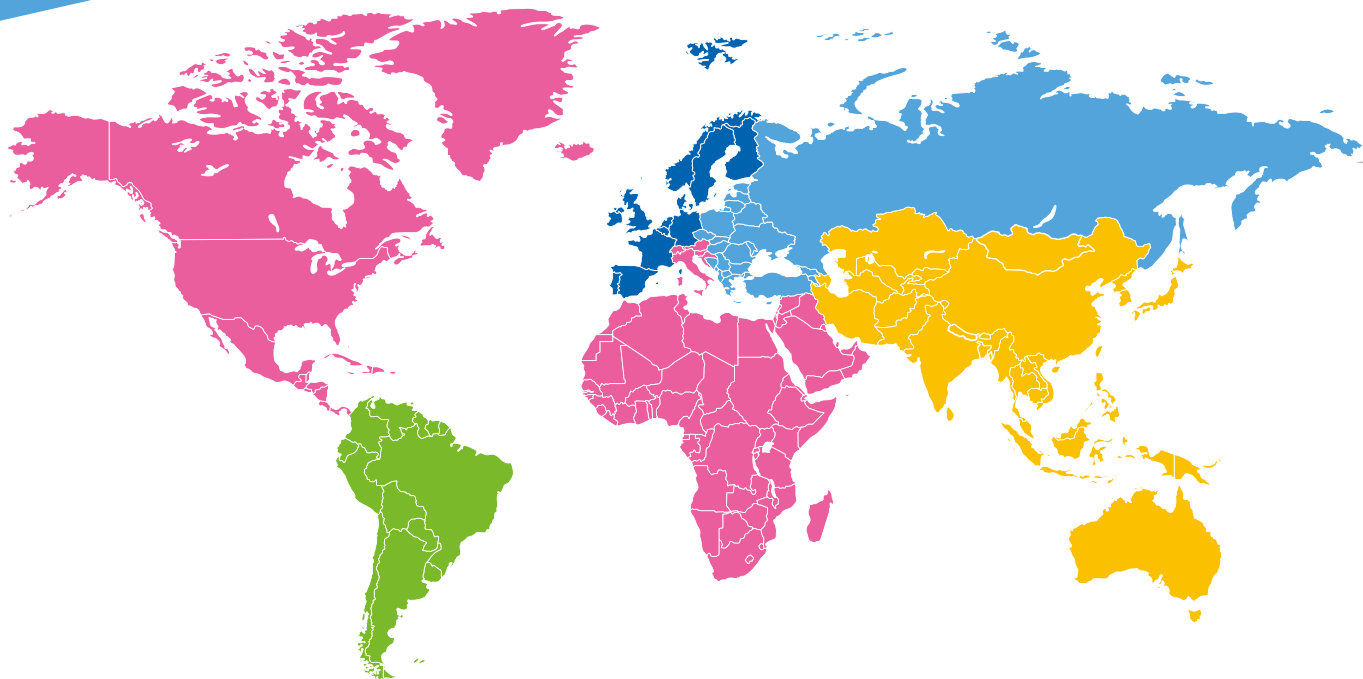
### SAFETY

**The safety of our customers and our employees is our absolute priority.**

Not only mandatory safety procedures: GTS adopts additional measures among which a regular check of the packaging before their due date, active maintenance programs, periodic safety consultancy.



# WORLDWIDE DISTRIBUTION



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