

# TECHNICAL PROPERTIES

## **Composition**

Inert atmospheric gas mixture, without oxygen, humidity, oil vapours, carbon dioxide and dust.

## **Flame trigger**

In case of tyre overheating (because of strong stress, crawling or nearness to heat sources), SECUR PNEUS inert atmosphere doesn't allow the combustion trigger inside the tyre.

## **Permeability**

The mixture constituents have a permeability to the tyre which is much lesser than the air one;  
Tyre producers declare a decay rate in the tyre inflation pressure which is between 3 and 4 times lower.

## **Oxidation**

The mixture doesn't contain oxygen, oil vapours and humidity; these elements cause the oxidation and the aging of the whole tyre structure.  
Oxidising agents reduce tyre elasticity and give rise to cracks.

## **Lack of humidity**

The mixture is without humidity, which concurs to oxidate tyre and, as the tyre works and its temperature increases, can give rise to harmful and unpredictable pressure peaks.

## **Control Temperature**

Tyres pressure has to be checked when the tyre is cold, as prescribed by tyre and vehicle producers. A variation in the ambient temperature of 10 °C implies a 0,125 bar variation in the inflation pressure.