

# Brugarolas



Industrial Lubricants

ELIMINATION OF NOISES

ELIMINATION OF SQUEALS

ELIMINATION OF VIBRATIONS



## Krytox®



AUTOMOTIVE INDUSTRY

# ANTI-NOISE LUBRICANTS



## MAIN FUNCTIONS

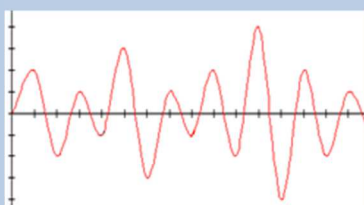
**ELIMINATION OF NOISES**  
**ELIMINATION OF SQUEALS**  
**ELIMINATION OF VIBRATIONS**



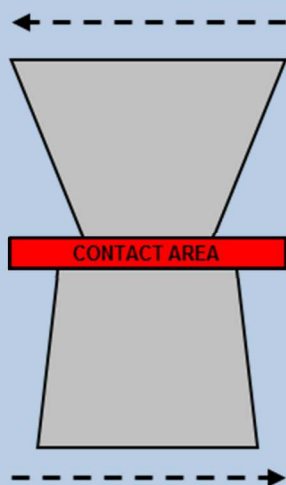
**Krytox®**



## PROBLEM AREA



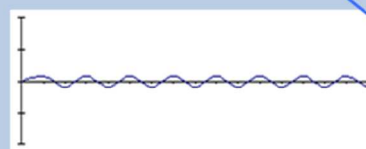
Noises generated by contact of surfaces



Vibrations, noises and squeals may be generated when 2 surfaces are in dynamic contact. Especially, if the contact exists between plastic materials, polymers or between plastic/polymers with metals or contact with leather, etc.

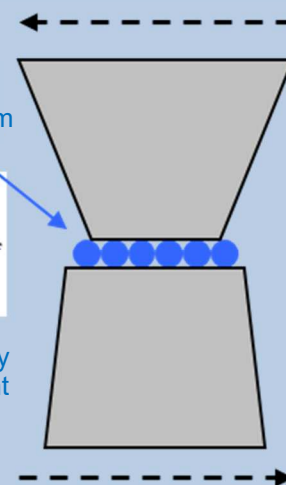


## SOLUTION



Noise elimination achieved by introducing a stable lubricant sticky film

Lubricating film



By introducing a lubricant film between the surfaces that are in dynamic contact we will be able to change friction conditions by:

- Smoothing the relative movement between both surfaces
- Avoiding surface stickiness
- Removing noises, squeals and vibrations



## CHEMICAL & PHYSICAL CHARACTERISTICS OF KRYTOX® LUBRICANTS

- High lubricating properties
- Long life
- Wide range of working temperature (-40 to 250°C)
- Highly water resistant
- Anti-wear properties
- High chemical and thermal stability
- Don't migrate (they are fixed)
- High compatibility with plastics and elastomers
- Highly resistant to loads
- Excellent condition to mechanical work
- Non-reactive and non-flammable
- Totally stable, stainless and colourless
- Friction coefficient improvers



## KRYTOX® PRODUCTS

### OILS

**KRYTOX® GPL 103**  
**KRYTOX® GPL 104**  
**KRYTOX® GPL 105**  
**KRYTOX® GPL 106**  
**KRYTOX® GPL 155**

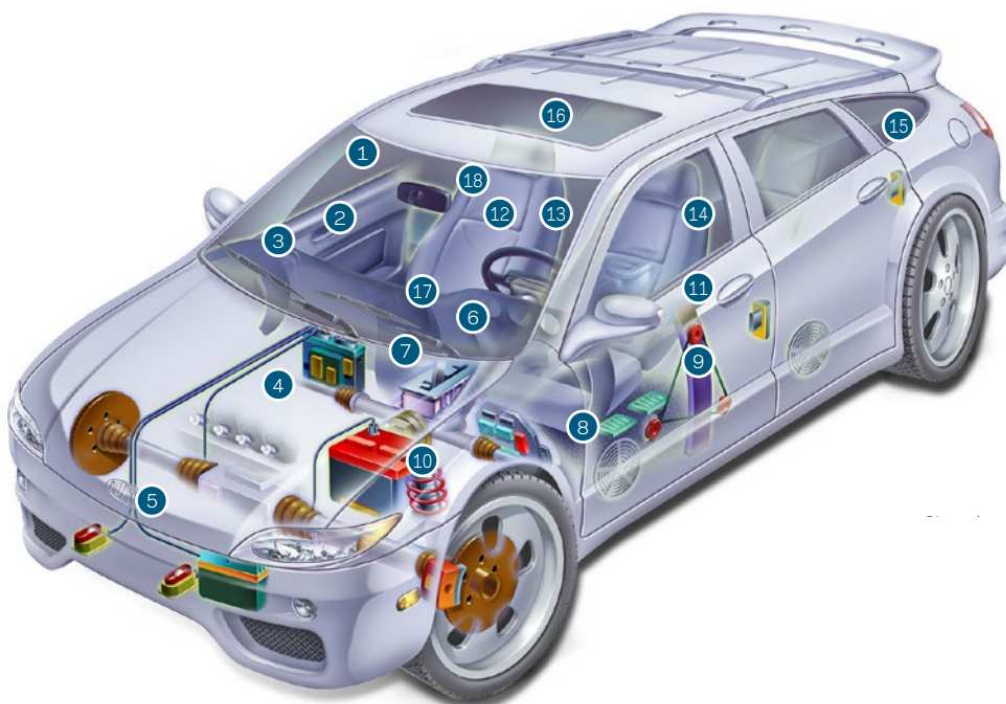
### GREASES

**KRYTOX® GPL 205**  
**KRYTOX® GPL 206**  
**KRYTOX® GPL 255**



## APPLICATIONS

- 1) Visor
- 2) Facia and Trim Panels
- 3) Airbag Door / Facia Interface
- 4) Engine Compartment
- 5) Hood Latch
- 6) Instrumental Panel
- 7) Window Latch
- 8) Hinges
- 9) Actuators and Mechanisms
- 10) Shock Absorber / Suspension Bushings
- 11) Window Guides and Weatherstrips
- 12) Leather seats
- 13) Leather Trim
- 14) Seat foam
- 15) Rear Parcel Shelf Pins
- 16) Sun Roof Seals
- 17) Console Parts
- 18) Seat Belt Guides



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## AUTOMOTIVE INDUSTRY

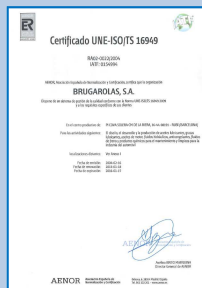
The automotive industry is a specific field that requires specially developed lubricants for this activity. These, must always meet the highest quality standards achievable.

**Brugarolas** researches, develops and manufactures top-end high quality lubricants in order to guarantee highly efficient and safe products for this sector. In order to do so, **Brugarolas** makes use of its own R+D department, with a fully-equipped laboratory and highly qualified staff, here formulations are studied and optimized in order to confront all kind of difficult working conditions given in the automotive industry.

**Brugarolas** is also an official and exclusive **Chemours™** distributor, supplying **Krytox®** products to all the Iberian Peninsula (which englobes Spain and Portugal).

Only a few of our products for this highly important activity are detailed in this product and application guide.

**Brugarolas** researches, develops, manufactures and supplies lubricants for various industrial activities tested by the highest quality control systems world-wide, meeting the following ISO standards: IQNET ISO 9001, ISO 9001, ISO-TS 16949.



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