Pyrotechnic Articles used to activated Devices In Motor Vehicles

The Point of View of the Automotive Suppliers Industry

Presented on behalf of CLEPA by
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Facts about CLEPA

- 3000 Member companies in total, representing 2500 SMEs
- 3 Million employees
- 300 Billion Euro sales
Various airbags for front impact protection

Activators for different purposes:
- Hoodlifter
- Battery cutter

Various airbags for side impact protection

Seat Belt pretensioners

Pyrotechnic Articles in a Vehicle
Dimension of Market

- Airbag systems placed on the market up to now:
  - Appr. 80 Million
- Seatbelt units with pyrotechnic place on the market up to now:
  - Appr. 90 Million
- Total value:
  - Appr. € 5 Billion
- Number of employees in the related suppliers industry in Europe:
  - Appr. 30 Thousand
Airbag Module in a Steering Wheel

- Cover
- Cushion
- Gas Generator/Inflator
Gas Generator/Inflator

- Housing
- Pyrotechnic substance
- Initiator
Passenger Airbag Module and related Gas Generators/Inflators

Pyrotechnic substance
Head Protection System for Lateral Impact
Hybrid Gas Generators/Inflators

- Pressure vessel with stored gas
- Device with pyrotechnic substance
Buckle Pretensioner

Micro Gasgenerator
Leadwire Gas Generator & Buckle Pretensioner
Retractor Pretensioner

Micro Gasgenerator
Pyrotechnic Safety Switch
Production Facility for Gas Generators

- Entire area protected for Electrostatic Discharge (ESD) by grounded floor and personal equipment (shoes, clothing)
- Grounded assembly units
CLEPA Position on the draft Directive

• **CLEPA** fully supports the objectives of the draft Directive and would like to have it adopted as soon as possible.

• But **CLEPA** has some concerns with the Commission's draft, due to the nature of our activities: sales to professional users in an industrial context.
CLEPA Concerns

- Certification only once (definition of article and of Placing on the Market to be made more clear)
- Safeguard clauses: any actions by Member States or Commission must be duly justified, with time limits.
- Labelling requirements (kind/amount of information on a label, languages)