EU Safety Data Sheet according to Regulation (EC) No. 1907/2006

1. Designation of product and producing company:

1.1. **Trade name and product:** FA-RISE gas springs

1.2. **Application/ Use:** hydro pneumatic force accumulator

1.3. **Supplier/Provider:**
FA Krosno GmbH
Kiefernweg 14a
D-56283 Mermuth
Germany
E-Mail: info@fakrosno.de

1.4. **emergency call numbers:** +49 6745 182499 / +48 13 4371000

2. Possible hazards:

2.1. Product classification: No hazardous material

2.2. Safety instructions: P202 - read and understand all safety instructions before use
P251 - do not pierce or burn, even after use
P411 - Do not operate or store at temperatures above 80°C.
Cylinder is under pressure (nitrogen N^2) - do not open
Observe mechanical load limits

3. Composition/information of the ingredients:

3.1. substances: Steel, aluminum, brass, plastics, paints, nitrogen, oil / grease

4. First aid measures:

4.1. General information: longer contact with oils, greases can cause skin irritation

4.2. After inhalation: Oil vaporization possible in case of accidental opening - provide fresh air.
Consult doctor if any symptoms persist.

4.3. After skin contact: not feasible

4.4. After eye contact: Oil vaporization when accidentally opened can cause eye irritation.
Clean eyes with eye wash bottle. Consult a doctor if symptoms persist.

4.5. After ingest: not feasible

5. fire-fighting measures:

5.1. **Suitable extinguishing media:** water spray, foam (alcohol resistant), carbon dioxide, powder, spray mist (water)

5.2. **Unsuitable extinguishing media:** none.

5.3. **Hazards arising from the product:** non-flammable (nitrogen N^2) but danger of bursting when exposed to high heat

6. measures in case of accidental release:

not applicable

7. precautions for safe handling:

7.1. **General hygiene measures:** Do not eat, drink, smoke in areas where work is being done
After use, wash hands

7.2. **Information about fire and explosion protection:** Do not heat product or throw into fire

7.3. **Conditions for safe storage:** Store product dry, clean and secured against dropping.
Do not exposure to heat and heat sources and possibly protect against sun (aging of plastics).

7.4. **Specific applications:** Observe technical instructions, installation by appropriately instructed personal.

8. exposure controls/personal protective equipment:

not applicable

9. physical and chemical characteristics:

9.1. **Physical status:** solid form

9.2. **Flash point**: not applicable

9.3. **Solubility in water:** not applicable

9.4. **pH-value:** not applicable

9.5. **Self-decomposition temp..:** not applicable

9.6. **Explosion limits:** not applicable

9.7. **Viscosity:** not applicable

10. stability and reactivity:

10.1. **Reactivity:** not applicable

10.2. **Chemical stability:** not applicable

10.3. **Possibility of hazardous reactions:** bursting when being heated

10.4. **Conditions to be avoided:** heating above 80°C, mechanical stress above limit values

10.5. **Incompatible materials:** gasoline, cleaning agents, alkalis, etc. can affect components

10.6. **Hazardous decomposition products:** not applicable

11. toxicological information:

not applicable

12. environmental information:

not applicable

13. disposal instructions:

13.1. **disposal procedure:** Depressurise before disposal
Dispose of existing oils separately (waste key 13 02 Waste from machine, gear and lubricating oils)
Dispose of emptied gas springs via iron scrap

14. transport instructions:

14.1. **Land transport acc. ADR/ RID:** UN 3164 Articles under hydraulic pressure (containing non-flammable gas)
Class 2/ Code: 6A
Hazard label 2.2
Tunnel code: E Transit prohibited through tunnels of category E.
Special provision(s) 283, 371 and 594
limited quantities: max. 120 ml per inner packaging
exempted quantities: E0 (not authorized in excepted quantities)
Transportation category: 3 (exempted quantity max. 1000 kg)
Packing: P003, Bundling: MP9
Loading:CV9 The packages must not be thrown or subjected to impacts. The packages must be loaded in such a way that they cannot tip over or tip over or fall.

14.2. **Sea transport:**

UN 3164 Articles under hydraulic pressure (containing non-flammable gas)
Class 2/ Code: 6A
Hazard label 2.2
Water pollution class (WGK): 0
Tunnel code: E Transit prohibited through tunnels of category E.
Special provision(s) 283, 371 and 594
limited quantities: max. 120 ml per inner packaging
exempted quantities: E0 (not authorized in excepted quantities)
Transportation category: 3 (exempted quantity max. 1000 kg)
EmS: F-C, S-V
Loading:CV9 The packages must not be thrown or subjected to impacts.
The packages must be loaded in such a way that they cannot tip over or tip over or fall.

14.3. **Air transport acc. to IATA:**

UN 3164 Articles under hydraulic pressure (containing non-flammable gas)
Class 2/ Code: 6A
Hazard label 2.2
Air transport of pressure containers is subject to a gas pressure volume limit.
We will provide you with a corresponding calculation for the P/N if required.