EU Safety Data Sheet

pursuant to Regulation (EC) No. 1907/2006

CB MOTiON

1. Identification of the product and of the company/undertaking

1.1. Trade name and product:	Gas springs from CB-Motion
1.2. Application / Use:	Hydropneumatic energy accumulator
1.3. Supplier / Distributor:	CB-Motion GmbH Breitestraße 4 D-73550 Waldstetten info@cb-motion.de www.cb-motion.de
1.4. Emergency telephone numbers:	+49 1556 3344400 / +49 1556 3322200

2. Hazards identification

2.1. Classification of the product:	Not a hazardous substance
2.2. Precautionary statements:	• **P202** – Do not handle until all safety precautions have been read and understood • **P251** – Do not pierce or burn, even after use • **P411** – Store at temperatures not exceeding 80°C (do not operate or store above 80°C) • Container is pressurized (Nitrogen N_2) – do not open • Observe mechanical load limits

3. Composition / Information on ingredients

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

4. First-aid measures

4.1. General information:	Prolonged contact with oils and greases may cause skin irritation
4.2. Following inhalation:	Oil mist may form if opened accidentally – ensure fresh air. Consult a doctor if symptoms persist.
4.3. Following skin contact:	Not applicable
4.4. Following eye contact:	Oil mist resulting from accidental opening may cause eye irritation. Rinse eyes using an eye wash bottle. Consult a doctor if symptoms persist.
4.5. Following ingestion:	Not applicable

5. Firefighting measures

5.1. Suitable extinguishing media:	Water spray jet, foam (alcohol-resistant), carbon dioxide, dry powder, water mist.
5.2. Unsuitable extinguishing media:	None
5.3. Special hazards arising from the product:	Non-flammable (Nitrogen N_2), however, there is a risk of bursting when exposed to high heat

6. Accidental release measures

General measures:	Not applicable

7. Handling and storage

7.1. General hygiene measures:	Do not eat, drink, or smoke in work areas. Wash hands after use.
7.2. Information about fire and explosion protection:	Do not heat the product or throw it into fire.
7.3. Conditions for safe storage:	Store the product in a dry, clean place and secure against falling. Do not expose to heat or heat sources, and protect from direct sunlight wherever possible (aging of plastics).
7.4. Specific end use(s):	Observe technical regulations; processing must be carried out by appropriately instructed personnel.

8. Exposure controls / Personal protection

Control parameters / PPE:	Not applicable

9. Physical and chemical properties

9.1. Physical state:	Solid
9.2. Flash point:	Not applicable
9.3. Water solubility:	Not applicable
9.4. pH value:	Not applicable
9.5. Self-decomposition temperature:	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 heated
10.4. Conditions to avoid:	Heating above 80°C, mechanical loads exceeding limit values
10.5. Incompatible materials:	Gasoline, cleaning agents, alkalis, etc. may attack components
10.6. Hazardous decomposition products:	Not applicable

11. Toxicological information

Toxicological data:	Not applicable

12. Ecological information

Ecological data:	Not applicable

13. Disposal considerations

13.1. Disposal methods:	Depressurize prior to disposal. Dispose of existing oils separately (Waste code 13 02 Waste engine, gear and lubricating oils). Dispose of depressurized gas springs via scrap iron recycling.

14. Transport information

14.1. Land transport according to ADR/RID

- **UN number & proper shipping name:** UN 3164 Articles, pressurized, hydraulic (containing non-flammable gas)
- **Class / Classification code:** Class 2 / Code: 6A
- **Hazard label:** 2.2
- **Tunnel restriction code:** E (Passage forbidden through tunnels of category E)
- **Special provision(s):** 283, 371, and 594
- **Limited quantities:** max. 120 ml per inner packaging
- **Excepted quantities:** E0 (not permitted as excepted quantity)
- **Transport category:** 3 (maximum total quantity per transport unit: 1000 kg)
- **Packaging / Mixed packing:** Packaging: P003, Mixed packing: MP9
- **Loading:** CV9 Packages shall not be thrown or subjected to impact. Receptacles shall be so stowed in the vehicle that they cannot overturn or fall.

14.2. Sea transport

- **UN number & proper shipping name:** UN 3164 Articles, pressurized, hydraulic (containing non-flammable gas)
- **Class / Classification code:** Class 2 / Code: 6A
- **Hazard label:** 2.2
- **Water hazard class (WGK):** 0
- **Tunnel restriction code:** E (Passage forbidden through tunnels of category E)
- **Special provision(s):** 283, 371, and 594
- **Limited quantities:** max. 120 ml per inner packaging
- **Excepted quantities:** E0 (not permitted as excepted quantity)
- **Transport category:** 3 (maximum total quantity per transport unit: 1000 kg)
- **EmS:** F-C, S-V
- **Loading:** CV9 Packages shall not be thrown or subjected to impact. Receptacles shall be so stowed in the vehicle that they cannot overturn or fall.

14.3. Air transport according to IATA

- **UN number & proper shipping name:** UN 3164 Articles, pressurized, hydraulic (containing non-flammable gas)
- **Class / Classification code:** Class 2 / Code: 6A
- **Hazard label:** 2.2
- Air transport of pressurized containers is subject to a gas pressure volume limit. We will gladly provide you with a corresponding calculation for the specific part number upon request.

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