

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31



Version 1.3

Revision Date: 15.01.2024

Product Name: Gas Spring

Product Type: Non blockable gas springs & blockable gas springs

1. Identification of Substance:

Product Details

1.1 Trade Name: Gas Spring (Gas Strut)
Gas filled spring device

1.2 Application of the substance/the preparation gas spring

Manufacturer/Supplier:

DIESEL TECHNIC SE

Wehrmannsdamm 5-9

27245 Kirchdorf / Germany

Phone +49 4273 89-0

www.dieseltechnic.com/contact

1.3 Emergency telephone number: +49 4273 89-0 (during business hours)

2. Hazards Identification:

2.1 Hazard Designation: Void

2.2 Information pertaining to particular dangers for man and environment:

Warning! Pressurized container.

Nitrogen is suffocating by replacing ambient oxygen.

The product does not have to be labelled due to the calculation procedure of the „General Classification guideline for preparations of the EU“ in the latest valid version.

2.3 Classification System:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

SAFETY DATA SHEET

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Version 1.3

Revision Date: 15.01.2024

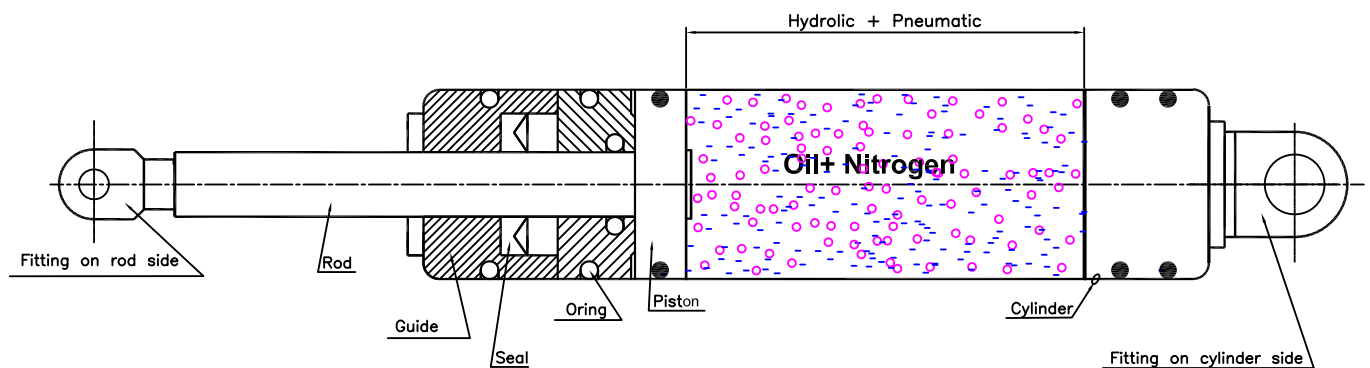
3. Composition/Information on Ingredients:

3.1 Chemical characterization:

3.2 Description: The gas spring contains nitrogen and small amounts of hydraulic oil.

3.3 Dangerous components: Void

3.4 Additional information: A drawing showing the interior design is shown below.



4. First Aid Measures:

4.1 General information: No special measures required.

4.2 After Inhalation: Provide fresh air. Keep victims quiet and warm.
In case of unsteady breathing or apnoea induce artificial respiration. Call a doctor immediately.

4.3 After skin contact: The product is not skin irritating.

4.4 After eye contact: In case of persistent symptoms consult doctor.

4.5 After swallowing: Swallowing is not considered to be a possible way of exposure.

SAFETY DATA SHEET

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5. Fire Fighting Measures:

Suitable extinguishing agents.
The product itself does not burn.
Use firefighting measures that suit the environment.

Special hazards caused by the material, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire. Can be released in case of fire Carbon monoxide (CO)
Nitrogen oxides (NOx).

Protective equipment:
In case of fire wear breathing equipment being independent of ambient air and suit provided full protection against chemicals.

Additional information:
Remove fill mass from incendiary zone, if possible. Cool endangered containers with water spray jet.

6. Accidental Release Measures:

6.1 Person-related safety precautions:

Ensure adequate ventilation. Keep away from ignition sources.

6.2 Measures for environmental protection:

Inform authorities if gas escapes.
Do not allow to enter drainage system, surface or ground water.

6.3 Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.

7. Handling and Storage:

7.1 Handling

Information for safe handling:
Keep empty containers away from heat and ignition sources.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). No special measures required.
Information about protection against explosions and fires: The product is not flammable.

7.2 Storage

Requirements to be met by storerooms and containers:
Store containers in a well aired place at a temperature of less than 50°C.
Store only undamaged original packaging drums.
Information about storage in one common storage facility: Keep away from combustible and/or inflammable materials.
Further information about storage conditions: Store in a cool place. Heat will increase pressure and may lead to the container exploding.
Storage class: 2A (Compressed, liquified and under pressure solved gases) according to VCI concept.

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8. Exposure Controls and Personal Protection:

8.1 Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Additional information: The lists that were valid during the compilation were used as basis. Personal protective equipment.

8.3 General protective and hygienic measures. Wear suitable protective clothing at work.

Breathing equipment: Not required.

Protection of hands: Not required.

8.4 The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

8.5 Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

8.6 Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

8.7 Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

8.9 Eye protection: Not required.

9. Physical and Chemical Properties:

9.1 General Information:

Form: Gas spring, pneumatic/hydraulic

Condensed gas

Colour: Colourless

Odour: Odourless

9.2 Change in condition:

Melting point/Melting range: Not determined

Boiling point/Boiling range: n.a.

9.3 Flash point: Not applicable

Self-inflammability: Product is not selfigniting.

Danger of explosion: Product is not explosive.

Density: Not determined

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Solubility in/miscibility with water: Insoluble

Solvent content: 0.0 %

Organic solvents: 0.0 %

Water: 0.0 %

Additional information: See drawing on page 2 for interior design.

10. Stability and Reactivity:

10.1 Thermal decomposition/conditions to be avoided:

No decomposition if used and stored according to specifications.

10.2 Dangerous reactions:

None

10.3 Dangerous products of decomposition:

None in case of intended use and storage in compliance with instructions

11. Toxicological Information:

11.1 Acute toxicity:

Not existent.

11.2 Primary irritant effect:

On the skin: No irritant effect.

On the eye: No irritant effect.

Sensitization: No sensitizing effect known.

11.3 Additional toxicological information:

When inhaling high concentrations narcotic symptoms are possible.

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for preparations as issued in the latest version.

12. Ecological Information:

12.1 General notes:

Water hazard class 1 (German Regulation) (Self-assessment): Slightly hazardous for water. The product contains materials that are harmful to the environment.

13. Disposal Considerations:

13.1 Product:

Recommendation: Contact manufacturer for recycling information.

13.2 Uncleaned packagings:

Recommendation: Dispose of packaging according to regulations on the disposal of packagings.

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14. Transport Information:

Land transport ADR/RID (cross-border):



ADR/RID-GGVSE Class: 2.2
UN-Number: 3164
Label: 2.2
Designation of Goods: 3164 ARTICLES, PRESSURIZED, PNEUMATIC
Remarks: Special Provision: 594

Maritime transport IMDG:



IMDG Class: 2.2
UN-Number: 3164
Label: 2.2
EMS Number: F-C, S-V
Marine pollutant: No
Correct technical name: ARTICLES, PRESSURIZED, PNEUMATIC

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 2.2
UN/ID Number: 3164
Label: 2.2
Correct technical name: ARTICLES, PRESSURIZED, PNEUMATIC

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15. Regulatory Information:

15.1 Designation according to EC guidelines:

Although this product is not subject to identification regulations, we recommend that the safety suggestions are observed.
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials.

15.2 Safety Phrases:

Keep in a cool place.

15.3 National Regulations

Water Hazard Class: Water hazard class 1 (Self-assessment): Slightly hazardous for water.

Other regulations, limitations and prohibitive regulations: The regulations concerning pressure vessels and gases under pressure have to be observed.

16. Other Information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.