



MATERIAL SAFETY DATA SHEET (MSDS)

1) Identification

Product Name: 02302 - Spare compressed air cylinder ,6lt+ Valve 300bar assembled , with air
02303 - Spare compressed air cylinder ,9lt+ Valve 300bar assembled, with air

Manufacturer:
LALIZAS S.A.
Gounari Str. 3
Postal Code: 18531
Piraeus, Greece

Emergency Phone: +30 210 4226 274
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2) Composition/ Information on Ingredients.

Product code	02302/ 02303
Product Description	02302 - Spare compressed air cylinder ,6lt+ Valve 300bar assembled , with air 02303 - Spare compressed air cylinder ,9lt+ Valve 300bar assembled, with air
Rated Working pressure	300Bar
Content of cylinder	Breathing Air
Cylinder Material	02302: 6L, steel cylinder 02303: 9L, carbon fibre composite with aluminum liner
Cylinder Color	Yellow with black and white strap according to EN 1089-3:2001
Storage temperature	-30°C to + 65°C
Operating temperature	-10°C to + 60°C
Lifetime	02302 - 10 years from manufacturing date 02303 - 12 years from manufacturing date



Air quality of the equipment

The concentration limits of the breathing air components are described in the table below.

Concentration Limits of Breathing Air Components

Element	Content
Oxygen	21±1%
Lubricants	Droplets or mist ≤0,5ml/m ³
Odoure & taste	Without
Carbon dioxide	≤500ml/m ³
Carbon monoxide	≤15ml/m ³
Water	No free liquid water

Maximum water content of air at atmospheric pressure	
Nominal pressure bar	Maximum water content of air at atmospheric pressure mg/m ³
40 to 200	50
>200	35

3) Hazardous Identification

Contains gas (breathing air) under pressure

Emergency overview:

Breathing air is a colorless, odorless gas. The main health hazards associated with exposure to this gas are related to the high pressure. Contact with rapidly expanding gases from a cylinder that is suddenly released can cause frostbite to exposed skin or damage to eyes.

Air is generally considered non-flammable; however, air will support combustion

4) First Aid Measures

Inhalation

None Expected

Ingestion

Ingestion is not considered a potential route of exposure.

5) Fire Fighting Measures:

Specific hazards

Exposure to fire may cause containers to rupture/explode. Supports combustion. Non flammable.

Hazardous combustion products

None.

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Suitable extinguishing media

All known extinguishants can be used. Specific methods If possible, stop flow of product. Move container away or cool with water from a protected position.

Special protective equipment for fire fighters

None.

6) Accidental Release Measures

Personal precautions

Evacuate area. Ensure adequate air ventilation.

Environmental precautions

Try to stop release. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

Clean up methods

Ventilate area.

7) Handling and Storage

Handling

Use no oil or grease. Suck back of water into the container must be prevented. Use only properly specified equipment which is suitable for this product, its supply pressure and temperature. Contact your gas supplier if in doubt. Keep away from ignition sources (including static discharges). Refer to supplier's handling instructions. Lines, which are attached directly to oxygen cylinders or oxygen bundles, should consist of metal. Hoses from rubber or plastics are fireendangered with oxygen pressures over 30 bar.

Storage

Secure cylinders to prevent them falling. Segregate from flammable gases and other flammable materials in store. Keep container below 60°C in a well ventilated place.

8) Exposure Control /Personal protection:

Not applicable

9) Physical and Chemical Properties

Please see Table with Air Quality Analysis

Odour: None

10) Stability and Reactivity

Stability: Stable

Violently oxidises organic material.



11) Toxicological Information

N/A

12) Ecological Information

No ecological damage caused by this product.

13) Waste Considerations

Dispose cylinders according to national regulations

14) Transport Information

UN number: UN 1002

Proper Shipping Name: Air, Compressed

Class: 2.2

Before transportation product containers ensure that they are firmly secured. Ensure that the cylinder valve is closed and not leaking. Ensure that the valve outlet cap nut or plug (where provided) is correctly fitted. Ensure that the valve protection device (where provided) is correctly fitted. Ensure adequate ventilation. Ensure compliance with applicable regulations.

15) Regulatory Information

N/A

16) Other Information

Although the information and recommendations in this data sheet are to the best of our knowledge correct, it is recommended that you make your own determination of the material's suitability for your purpose before you use it. The information herein is given in good faith but no warranty, expressed or implied, is made.

All materials and preparations may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that there are no other hazards.

10/07/2025