

MSA Escape Equipment with Compressed Air Bottles, filled

D050021901

Revision No: 5,00

Revision date: 29.06.2015

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0. General notes

These products are articles according to article 3.3 of regulation (EC) no. 1907/2006 (REACH). It is not necessary to supply a Safety Data Sheet for these products. Safety Data Sheets stipulate according to Article 31 for hazardous substances and preparations, but not for articles. MSA is obliged to supply its customers with appropriate information to ensure safe handling. A special format is not required for this information.

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier: MSA Escape Equipment with Compressed Air Bottles, filled

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Escape equipment with compressed air bottles

Uses advised against: The product is to be used exclusively for the applications named in the directions for use.

1.3. Details of the supplier of the safety data sheet

Company name: MSA Deutschland GmbH

Street: Thiemannstrasse 1

Place: D-12059 Berlin

Telephone: ++49-30-6886-0

Telefax: ++49-30-6886-1558

1.4. Emergency telephone number: 1-800-255-3924 USA/CDN

++1-813-248-0585 internat.

Further Information: Apply Safety data sheet to the following products:

Escape devices with steel bottles (2.0L, 3.0 L)

Escape devices with composite bottles (1.1L, 2.0L, 3.0L)

2. Hazards identification

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

2.2. Label elements

Hazard statements:

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

Hazard Statements:

Contains gas under pressure; may explode if heated.

Precautionary statements:

H280 Contains gas under pressure; may explode if heated.

P102 Keep out of reach of children.

P235 Keep cool.

Additional advice on labelling:

As an article the product does not need to be labelled in accordance with EC-directives or respective national laws.

2.3. Other hazards:

Container is under pressure.

3. Composition/information on ingredients

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3.2. Mixtures**Chemical characterization:**

Compressed gas: Air, compressed (200 or 300 bar). Contains no hazardous components.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-783-9	Nitrogen	75 - 80 %
7727-37-9		
	Compressed gas; H280	
231-956-9	Oxygen	18 - 22 %
7782-44-7	O - Oxidizing R08	
	Ox. Gas 1, Compressed gas; H270 H280	

Full text of R, H and EUH phrases: see section 16.

Further Information:

Take notice of the directions of use on the label.

4. First aid measures**4.1. Description of first aid measures****General information:**

No acute hazard when used as directed. Take notice of the directions of use on the label.

4.2. Most important symptoms and effects, both acute and delayed:

None known.

4.3. Indication of any immediate medical attention and special treatment needed:

None known.

5. Fire-fighting measures**5.1. Extinguishing media****Suitable extinguishing media:**All, e.g.: Water, carbon dioxide (CO₂), foam, sprayed water stream, dry powder. Water mist may be used to cool closed containers.**Extinguishing media which must not be used for safety reasons:**

None known.

5.2. Special hazards arising from the substance or mixture:

If possible, stop gas release. If possible remove pressurised gas bottle(s) from the danger zone (danger of rupture).

5.3. Advice for firefighters:

None known.

6. Accidental release measures

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| 6.1. Personal precautions, protective equipment and emergency procedures: | Not required. |
| 6.2. Environmental precautions: | Not required. |
| 6.3. Methods and material for containment and cleaning up: | Not required. |
| 6.4. Reference to other sections: | Refer to safety instructions (see sections 7 and 8).
Suitable protective equipment: See section 8.
Dispose of as described in section 13. |

7. Handling and storage

- | | |
|--|---|
| 7.1. Precautions for safe handling | |
| Advice on safe handling: | Regarding device specific instruction. |
| Advice on protection against fire and explosion: | Risk of rupture is overheated. Store in cool place. Protect from heat and direct sunlight. |
| Further information on handling: | Always secure compressed gas bottles against impacts and falling down and protect against damage. The valve of the bottle must be closed in the case of storage and transport. |
| 7.2. Conditions for safe storage, including any incompatibilities | |
| Requirements for storage rooms and vessels: | Regarding device specific instruction.
Store product upright. Always secure compressed gas bottles against impacts and falling down and protect against damage.
Recommended storage temperature: approx. 20°C |
| Further information on storage conditions: | |
| 7.3. Specific end use(s): | Regarding device specific instruction. |

8. Exposure controls/personal protection

- | | |
|---|--|
| 8.1. Control parameters | |
| 8.2. Exposure controls | |
| Occupational exposure controls: | No hazards deemed to be of major importance. |
| Protective and hygiene measures: | None. |
| Respiratory protection: | None. |
| Hand protection: | None. |
| Eye protection: | None. |
| Skin protection: | Wear ear protection when emptying the compressed gas bottle. |

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|------------------------|---------------|
| Physical state: | gaseous *) |
| Colour: | colourless *) |
| Odour: | odourless *) |

Test method

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Changes in the physical state

Flash point:	n.a.
Density:	n.d.
Water solubility:	n.a.
Viscosity / dynamic:	n.a.
Solid content:	

9.2. Other information: *) Air, compressed

10. Stability and reactivity

10.1. Reactivity:	None known.
10.2. Chemical stability:	Stable under proper storage and handling.
10.3. Possibility of hazardous reactions:	None known.
10.4. Conditions to avoid:	No decomposition if used as directed.
10.5. Incompatible materials:	None known.
10.6. Hazardous decomposition products:	None known.

11. Toxicological information

11.1. Information on toxicological effects Toxicocinetics, metabolism and distribution:	Not applicable for intact article. When properly handled and used, the product, according to our experience and the information available to us, does not cause any adverse health effects. No hazardous substances are given off.
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12. Ecological information

12.1. Toxicity:	Product contains no subjects that are currently thought to present an ecological risk.
12.2. Persistence and degradability:	No data available.
12.3. Bioaccumulative potential:	No data available.
12.4. Mobility in soil:	No data available.
12.5. Results of PBT and vPvB assessment:	No data available.
12.6. Other adverse effects:	No data available.

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13. Disposal considerations

13.1. Waste treatment methods

**Recommendation Waste disposal
number of waste from residues/unused
products:**

Recommendation :

Contaminated packaging:

160505

WASTES NOT OTHERWISE SPECIFIED IN THE LIST;
gases in pressure containers and discarded chemicals; gases
in pressure containers other than those mentioned in 16 05 04

160505

WASTES NOT OTHERWISE SPECIFIED IN THE LIST;
gases in pressure containers and discarded chemicals; gases
in pressure containers other than those mentioned in 16 05 04
Empty remaining contents. Empty containers must be
completely drained to the state of the art before being
disposed of. Container must be pressure-free. Regarding
device specific instruction.

14. Transport information

Land transport (ADR/RID)

14.1. UN number:

1002

14.2. UN proper shipping name:

AIR, COMPRESSED

14.3. Transport hazard class(es):

2

Hazard label:

2.2



Classification code:

1A

Special Provisions:

655 662

Limited quantity:

120 mL

Transport category:

3

Hazard No:

20

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number:

1002

14.2. UN proper shipping name:

AIR, COMPRESSED

14.3. Transport hazard class(es):

2

Hazard label:

2.2



Classification code:

1A

Special Provisions:

655 662

Limited quantity:

120 mL

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Marine transport (IMDG)

14.1. UN number:	1002
14.2. UN proper shipping name:	AIR, COMPRESSED
14.3. Transport hazard class(es):	2.2
14.4. Packing group:	-
Hazard label:	2.2



Marine pollutant:	no
Limited quantity:	120 mL
EmS:	F-C, S-V

Air transport (ICAO)

UN/ID number:	1002
14.2. UN proper shipping name:	AIR, COMPRESSED
14.3. Transport hazard class(es):	2.2
Hazard label:	2.2



Special Provisions:	A202
Limited quantity Passenger:	Forbidden
IATA-packing instructions - Passenger:	200
IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	200
IATA-max. quantity - Cargo:	150 kg
14.5. Environmental hazards	
ENVIRONMENTALLY HAZARDOUS:	no
14.6. Special precautions for user:	Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

16. Other information

Changes:	Section 1, 2, 3, 7, 14
Abbreviations and acronyms:	n.a. = not applicable n.d. = not determined

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Relevant R-phrases (Number and full text):	08	Contact with combustible material may cause fire.
Relevant H- and EUH-phrases (Number and full text):	H270	May cause or intensify fire; oxidiser.
	H280	Contains gas under pressure; may explode if heated.

Further Information:

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)