

SAFETY DATA SHEET

1 Identification of the substance or preparation and of the company/undertaking**1.1 Product identifier**

Product Name: BREATHING OXYGEN
Datasheet Number: 625111-r 1. 0. 0
Product Part Number: 625111 (MOX-5), 625129 (MOX-40), 636480 (MOX-2)
Head Office:: Wilhelmsen Ships Service AS
address: Strandveien 20, N1324 Lysaker, Norway
.: Tel:+47 67 584550

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

Gas for breathing

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Wilhelmsen Ships Service AS
Address of Supplier: Willem Barentszstraat 50
3165AB Rotterdam
The Netherlands
Telephone: +31 10 4877 777
Fax: +31 10 4877 888
Responsible Person: Patrick Rijdsdijk, Product HSE Manager, Tel.:+31 6 349 440 35
Email: patrick.rijdsdijk@wilhelmsen.com

1.4 Emergency telephone number

****ONLY TO BE USED IN CASE OF AN INCIDENT****

NCEC: +44 1865 407333, CHEMTREC (800) 424 9300
American Chemistry Council +1 703 527 3887,
Greece +30 210 7793777

2 Hazards identification**2.1 Classification of the substance or mixture**

- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.

2.2 Label elements

- Signal Word: Danger
- Symbols: GHS03, GHS04, O

Hazard phrases

- May cause or intensify fire; oxidizer.
- Contains gas under pressure; may explode if heated.

Precautionary Phrases

- Keep/Store away from clothing/.../combustible materials.
- Protect from sunlight. Store in a well-ventilated place.
- In case of fire: Stop leak if safe to do so.
- Keep reduction valves free from grease and oil.

Risk Phrases

- Contact with combustible material may cause fire (R8)

BREATHING OXYGEN

2 Hazards identification (....)

Safety Phrases

- Keep away from combustible material (S17)

2.3 Other hazards

- Pressurized container

3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Oxygen	>99 %	7782-44-7	231-956-9	R8 - H270	GHS03+04 - O

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- When in doubt or symptoms persist, seek medical attention
- Remove/Take off immediately all contaminated clothing.
- Contains combustible material

4.2 Most important symptoms and effects, both acute and delayed

- Not hazardous

4.3 Indication of immediate medical attention and special treatment needed

5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- Pressurized container
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders
- Oxidising

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Shut off source of leak if safe to do so
- Do not smoke
- Avoid contact with combustible material

6.2 Environmental Precautions

- No special precautions are required for this product

6.3 Methods and material for containment and cleaning up

- Shut off source of leak if safe to do so
- Ventilate area

6.4 Reference to other sections

- See Section 5

7 Handling and storage

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7 Handling and storage (....)

7.1 Precautions for safe handling

- Use proper hoisting equipment
- Avoid contact with combustible material
- Restricted to professional users

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 deg C

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

- No special requirements

Occupational exposure controls

- Avoid oxygen enrichment in confined spaces or in poorly ventilated areas.



9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Compressed gas
- pH - not applicable
- Boiling point - 183 °C at 760 mm /Hg
- Vapour pressure - not applicable
- Vapour density (air = 1) 1.1
- Melting point - 218 °C at 760 mm /Hg
- Water solubility 0.04 g/l
- Not flammable but will support combustion
- Strong oxidising agent, Contact with other material may cause fire

9.2 Other information

- None
-

10 Stability and reactivity

10.1 Reactivity

- Oxidising agent

10.2 Chemical stability

- No information available

10.3 Possibility of hazardous reactions

- May cause or intensify fire; oxidizer.

10.4 Conditions to avoid

- Avoid overheating
- Avoid contact with reducing agents

10.5 Incompatible materials

- Incompatible with organics

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10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- None
-

11 Toxicological information

11.1 Information on toxicological effects

- Non-toxic
- Inhalation
- Not applicable
- Contact with skin
- Not applicable
- Contact with eyes
- In cases of severe exposure, irritation may develop
- Ingestion
- Not regarded as a potential route of exposure.
- Carcinogenicity
- No evidence of carcinogenic effects
- Teratogenicity
- No evidence of reproductive effects
- Mutagenicity
- No evidence of mutagenic effects
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12 Ecological information

12.1 Toxicity

- On available data, substance is not harmful to aquatic life

12.2 Persistence and degradability

- Not applicable

12.3 Bioaccumulation Potential

- Not applicable

12.4 Mobility in soil

- This substance is volatile

12.5 Results of PBT and vPvB assessment

12.6 Other Adverse Effects

- Presents no hazard to the environment
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13 Disposal considerations

13.1 Waste treatment methods

- Contact supplier for further information
-

14 Transport information



Non-Flammable Compressed Gas



Oxidizing Agent

14.1 UN Number

- UN1072

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14 Transport information (....)

14.2 UN Proper Shipping Name

- Oxygen, compressed

14.3 Transport hazard class(es)

- 2.2 (5.1)

14.4 Packing group

- N/A

14.5 Environmental hazards

- On available data, substance is not harmful to the environment

14.6 Special precautions for user

- Gas cylinders must be equipped with valve protection caps during transport.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name:	Oxygen, compressed		
ADR UN No.:	UN1072	ADR Hazard Class:	2.2
ADR Packing Group:	N/A	ADR subrisk:	5.1
ADR Flashpoint:	-		

Sea (IMDG)

Proper Shipping Name:	Oxygen, compressed		
IMDG UN No.:	UN1072	IMDG Hazard Class.:	2.2
IMDG Pack Group.:	N/A	IMDG EmS:	F-C, S-W
IMDG subrisk:	5.1	IMDG Flashpoint:	-

Air (ICAO/IATA)

Proper Shipping Name:	Oxygen compressed		
ICAO Un No.:	UN1072	ICAO Hazard Class.:	2.2
ICAO Packing Group.:	N/A	ICAO subrisk:	5.1
ICAO Flashpoint:	-		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Oxygen, compressed		
Hazardous Material:	Oxygen		
Hazard Class:	2.2	Identification Number:	UN1072
Product RQ (lbs):	-	DOT subrisk:	5.1
DOT Flashpoint:	-		

15 Regulatory information

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

- This Safety Data Sheet has been prepared in accordance with article 31 and annex II in REACH and Directive 453/2010/EU.
- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

15.2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- H270: May cause or intensify fire; oxidizer.; R8: Contact with combustible material may cause fire.

16 Other information (....)

The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents

The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties

The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer