

## SAFETY DATA SHEET

### 1 Identification of the substance or preparation and of the company/undertaking

**Product Name:** BREATHING OXYGEN  
**Datasheet Number:** 625111 4. 0. 0  
**Use of the substance/preparation:** Gas for breathing  
**Product Part Number:** 625111 (MOX-5), 625129 (MOX-40), 636480 (MOX-2)  
**Name of Supplier:** Wilhelmsen Maritime Services AS  
**Address of Supplier:** Willem Barentszstraat 50  
 3165 AB Rotterdam-Albrandswaard, The Netherlands  
  
**Telephone:** +31 10 4877 777  
**Fax:** +31 10 4877 888  
**Responsible Person:** Leen de Visser, Product HSE Manager, Tel.: +31 6 538 63736  
**Email:** Leen.de.Visser@Wilhelmsen.com  
**Name of Manufacturer:** Wilhelmsen Maritime Services AS, Business Group Repair & Maintenance  
**Address of Manufacturer:** Strandveien 20  
 P.O.Box 33  
 NO-1324 LYSAKER  
 Norway  
**Telephone:** +47 67 584550  
**Emergency Telephone:** NCEC: +44 1865 407333, CHEMTREC (800) 424 9300  
 American Chemistry Council +1 703 527 3887, Greece +30 210 7793777

### 2 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Oxygen	>99 %	7782-44-7	231-956-9	8	O

\*See Section 16

### 3 Hazards identification

- Odour: Odourless
- Appearance: Compressed gas
- Contact with eyes: May cause irritation, Looking into the welding / brazing flame with incorrect or insufficient eye protection may cause arc-eye.
- Contact with skin: May cause irritation
- Inhalation: Inhalation of fumes formed during welding and or cutting may be harmful.
- Ingestion: Not regarded as a potential route of exposure.
- Possible danger when used: oxygen enrichment of confined spaces.
- Contact with combustible material may cause fire (R8)



Oxidising

### 4 First aid measures

#### Contact with skin

- Remove contaminated clothing
- Contact with combustible material may cause fire (R8)

#### Contact with eyes

- When in doubt or symptoms persist, seek medical attention

#### Ingestion

- Not regarded as a potential route of exposure.

#### Inhalation

- When in doubt or symptoms persist, seek medical attention

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#### 4 First aid measures (....)

##### General

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

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#### 5 Fire-fighting measures

- Not flammable but will support combustion
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Keep container(s) exposed to fire cool, by spraying with water
- Portable containers should be moved if possible and without risk
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

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#### 6 Accidental release measures

##### Personal Precautions

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

##### Environmental Precautions

- No special precautions are required for this product

##### Clean Up Actions

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

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#### 7 Handling and storage

##### Handling

- Use only in well ventilated areas (S51)
- Use proper hoisting equipment

##### Storage

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

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#### 8 Exposure controls and personal protection

##### Exposure Limits

- TLV (TWA) 5 mg/m3 (Welding fumes)

##### Exposure controls

- No special requirements

##### Occupational exposure controls

- In poorly ventilated areas or confined spaces, use an airline respirator or self-contained breathing apparatus
- Avoid oxygen enrichment in confined spaces or in poorly ventilated areas.
- Wear safety boots when handling cylinders.
- Wear suitable filter lenses when welding / cutting.
- Wear leather gloves, boots and apron



Boots



Gloves



Visor



No Smoking

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#### 9 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

**10 Stability and reactivity**

- This article is considered stable under normal conditions
- Avoid overheating
- Incompatible with organics

**11 Toxicological information**

## Toxicological information

- Non-toxic

## Inhalation

- Inhalation of fumes formed during welding and or cutting may be harmful.

## Contact with skin

- May cause irritation

## Contact with eyes

- May cause irritation

## Ingestion

- Not regarded as a potential route of exposure.

## Carcinogenicity

- No evidence of carcinogenic effects

**12 Ecological information**

## Ecotoxicity

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

## Mobility

- This substance is volatile

## Persistence and Biodegradability

- Not applicable

## Bioaccumulation Potential

- Not applicable

## Other Adverse Effects

- Presents no hazard to the environment

**13 Disposal considerations**

## Disposal considerations

- Contact supplier for further information

**14 Transport information**

Non-Flammable Compressed Gas



Oxidizing Agent

## Proper Shipping Name:

UN

Proper Shipping Name: Oxygen, compressed  
UN No.: 1072

Hazard Class: 2.2      Packing Group: N/A

Road/Rail (ADR/RID)

Proper Shipping Name: Oxygen, compressed  
ADR UN No.: 1072

ADR Hazard Class: 2      Tremcard: 20S1072

Sea (IMDG)

Proper Shipping Name: Oxygen, compressed  
IMDG UN No.: 1072

IMDG Hazard Class.: 2.2      IMDG Pack Group.: N/A

IMDG EmS: F-C, S-W      IMDG subrisk: 5.1

IMDG Labels: 2.2 + 5.1      IMDG Flashpoint: N/A

**14 Transport information (....)**

Air (ICAO/IATA)

Proper Shipping Name:	Oxygen, compressed		
ICAO Un No.:	1072		
ICAO Hazard Class.:	2.2	ICAO Packing Group.:	N/A
ICAO subrisk:	5.1	ICAO Labels:	2.2 + 5.1
ICAO Flashpoint:	N/A		

DOT / CFR (US Department of Transportation)

DOT Proper Shipping Name:	Oxygen, compressed		
Hazardous Material:	Oxygen		
Hazard Class:	2.2	Identification Number:	UN 1072
Product RQ (lbs):	N/A	DOT subrisk:	5.1
DOT Labels:	2.2 + 5.1	DOT Flashpoint:	N/A

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

**15 Regulatory information**

Oxidising

## Risk Phrases

- Contact with combustible material may cause fire (R8)

## Safety Phrases

- Keep away from combustible material (S17)

**16 Other information**

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

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

This Safety Data Sheet is provided in compliance with The Dangerous Substances Directive (67/548/EEC)

This Safety Data Sheet is provided in compliance with The Dangerous Preparations Directive (88/379/EEC)

This Safety Data Sheet is provided in compliance with The Safety Data Sheets Directive (2001/58EC)