

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## 1 SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Trade name:** Inhalation oxygen O2 FOKUSMED

**Chemical name:** Oxygen, compressed

**Formula:** O<sub>2</sub>

**CAS-No:** 7782-44-7

**REACH-No:** Substance exempt from registration

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

Identified uses: Oxygen for athletes

SU 22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU 21: Consumer uses: Private households (= general public = consumers)

Uses advised against: No specific uses advised against are identified

### 1.3 Details of the supplier of the safety data sheet

**FOKUS.PL Sp. z o.o.**

ul. Obywatelska 102/104

94-104 Łódź; Poland

Tel. +48 721 144 444

e-mail: info@fokus.pl

www. fokus.pl

### 1.4 Emergency telephone number

Nationwide emergency telephones (8:00 – 16:00): +48 721 144 444

**PL:** 112 (emergency telephone number). 998 (Fire Brigade), 999 (Medical Rescue Service),

## 2 SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical and chemical hazards:

**Oxidizing Gases : H270 – Category 1**

**Gases under pressure : H280 – Compressed gas**

### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

**Pictogram**



**GHS04**

**GHS03**

**Signal word: DANGER**

**Hazard statement(s)**

H280 Contains gas under pressure; may explode if heated

H270 May cause or intensify fire; oxidiser

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## Precautionary statement(s)

### Prevention:

P220 zapalnych Keep away from clothing and other combustible materials

P244 Keep valves and fittings free from oil and grease.

### Response:

P370+P376 In case of fire: Stop leak if safe to do so.

### Storage:

P403 Store in a well-ventilated place

P410 Protect from sunlight.

## 2.3 Other hazards

The substance does not meet the PBT or vPvB criteria according to Annex XIII of the REACH regulation. The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % by weight.

## 3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances:

Substance identifier	Name of the substance	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
			Signal Word Code(s)	Hazard Class and Category Code(s)	Hazard Statement Code(s)
CAS: 7782-44-7 WE (EINECS): 231-956-9 Index: 008-001-00-8	Oxygen	99,5	GHS03 GHS04 Dgr	Ox. Gas 1 Press. Gas	H270 H280

### 3.2 Mixtures:

Not applicable

Full H phrases are specified in point 16 hereof

## 4 SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

First-aid measures after inhalation:

Move to fresh air. Get medical advice/attention.

First-aid measures after skin contact:

Adverse effects not expected from this product.

First-aid measures after eye contact:

Adverse effects not expected from this product. In case of eye irritation: Rinse immediately with plenty of water. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion:

Ingestion is not considered a potential route of exposure.

### 4.2 Most important symptoms and effects, both acute and delayed

Breathing 75 percent or more oxygen at atmospheric pressure for more than a few hours may cause nasal stuffiness, cough, sore throat, chest pain, and breathing difficulty.

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## 4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured. Symptomatic treatment.

## 5 SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Vigorously accelerates combustion. Use media appropriate for surrounding fire. Water (e.g, safety shower) is the preferred extinguishing media for clothing fires

### 5.2 Special hazards arising from the substance or mixture

Oxidizing agent; vigorously accelerates combustion. Contact with flammable materials may cause fire or explosion

### 5.3 Advice for firefighters

High-pressure, oxidizing gas. Evacuate all personnel from the danger area. Use self-contained breathing apparatus and protective clothing. Immediately cool containers with water from maximum distance. Stop flow of gas if safe to do so, while continuing cooling water spray. Remove ignition sources if safe to do so. Remove containers from area of fire if safe to do so.

## 6 SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Ensure adequate air ventilation. Eliminate ignition sources. Evacuate area. Try to stop release. Monitor concentration of released product. Wear self-contained breathing apparatus when entering area unless atmosphere is proven to be safe. Stop leak if safe to do so.

### 6.2 Environmental precautions

Stop leak if safe to do so. Prevent gas from entering sewers, basements and places where it is dangerous to accumulate oxygen. Provide adequate ventilation. Notify relevant emergency services.

### 6.3 Methods and material for containment and cleaning up

Ventilate the affected area.

### 6.4 Reference to other sections

See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## 7 SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear leather safety gloves and safety shoes when handling cylinders. Protect cylinders from physical damage; do not drag, roll, slide or drop. While moving cylinder, always keep in place removable valve cover. Never attempt to lift a cylinder by its cap; the cap is intended solely to protect the valve. High temperatures may damage the container and could cause the pressure relief device to fail prematurely, venting the container contents. For other precautions in using this product, see section 16.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, dry, well-ventilated place. Keep away from children, food, foodstuffs, animal feed and drinking water. Protect from heat, light and direct sunlight. Do not store with incompatible materials (see subsection 10.5)

### 7.3 Specific end use(s)

No information about uses other than mentioned in subsection 1.2

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## 8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### 8.1 Control parameters

There are no occupational exposure limit values at working place for the substances present in the mixture at the European Union level. **Please check any national occupational exposure limit values in your country**

Legal basis:

Commission Directive 2006/15/EC, 2000/39/EC, 2009/161/EC

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Avoid oxygen rich (>23.5%) atmospheres. Use a local exhaust system with sufficient flow velocity to maintain an adequate supply of air in the worker's breathing zone. Mechanical (general): General exhaust ventilation may be acceptable if it can maintain an adequate supply of air.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Respiratory system: None necessary

Hands and skin:

Wear working gloves when handling gas containers

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eyes:

Wear safety glasses with side shields

Hygiene at work:

Apply general hygiene at work rules. After work, remove contaminated clothes and wash thoroughly the whole body. Wash your hands and face during breaks. Restrain from drinking and eating or smoking at work.

#### 8.2.3 Environmental exposure controls

Refer to local regulations for restriction of emissions to the atmosphere. See section 13 for specific methods for waste gas treatment.

## 9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state:	Gas
Colour:	Colourless
Odour:	Characteristic, with a hint of mint
Melting point/freezing point:	-219 °C
Boiling point or initial boiling point and boiling range:	-183 °C
Flammability:	not flammable
Partition coefficient n-octanol/water (log value):	not available
Lower and upper explosion limit:	not available
Flash point:	Not applicable for gases and gas mixtures
Auto-ignition temperature:	not available
Decomposition temperature:	not available

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

pH:	Not applicable [gas]
Kinematic viscosity:	not applicable [gas]
Solubility:	[water] 39 mg/l w 20 °C
Vapour pressure:	not available
Density and/or relative density:	1.1 ( water =1)
Relative vapour density:	not available
Particle characteristics:	Not applicable [gas]

## 9.2 Other information

### 9.2.1 Information with regard to physical hazard classes

Oxidizing Gase

coefficient of oxygen equivalency: 1

### 9.2.2 Other safety characteristics

Gas/vapor heavier than air. May accumulate in confined spaces, particularly at or below ground level

## 10 SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No reactivity under recommended storage and handling conditions.

### 10.2 Chemical stability

The product is stable under normal conditions of handling and storage

### 10.3 Possibility of hazardous reactions

Violently oxidizes organic material

### 10.4 Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5 Incompatible materials

Keep equipment free from oil and grease. Consider the potential toxicity hazard due to the presence of chlorinated or fluorinated polymers in high pressure (> 30 bar) oxygen lines in case of combustion. May react violently with combustible materials. May react violently with reducing agents.

### 10.6 Hazardous decomposition products

Not known.

## 11 SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Based on available information, classification criteria are not met

#### Skin corrosion/irritation

Based on available information, classification criteria are not met

#### Serious eye damage/irritation

Based on available information, classification criteria are not met

#### Respiratory or skin sensitisation

Based on available information, classification criteria are not met

#### Germ cell mutagenicity

Based on available information, classification criteria are not met

#### Carcinogenicity

Based on available information, classification criteria are not met

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

## Reproductive toxicity

Based on available information, classification criteria are not met

## Specific target organ toxicity - single exposure

Based on available information, classification criteria are not met

## Specific target organ toxicity - repeated exposure

Based on available information, classification criteria are not met

## Aspiration hazard

Based on available information, classification criteria are not met

### 11.1.1 **Endocrine disrupting properties**

The components of the mixture do not affect the functioning of the hormonal system in accordance with the evaluation criteria defined in the Regulations: (EC) No 1907/2006, (EU) 2017/2100, (EU) 2018/605

### 11.1.2 **Other information**

Not applicable to substances

## **12 SECTION 12: ECOLOGICAL INFORMATION**

### 12.1 **Toxicity**

#### **Toxicity of product**

No ecological damage caused by this product

### 12.2 **Persistence and degradability**

Not applicable to gases and gas mixtures.

### 12.3 **Bioaccumulative potential**

The substance occurs naturally.

### 12.4 **Mobility in soil**

Because of its high volatility, the product is unlikely to cause ground or water pollution. Partition into soil is unlikely.. The mobility of the substance depends on their hydrophilic and hydrophobic properties and abiotic and biotic conditions of soil, including its structures, climatic conditions, seasons (in Poland, in a variable moderate climate) and soil organisms, mainly (bacteria, fungi, algae, invertebrates).

### 12.5 **Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 **Endocrine disrupting properties**

The product shall not contain ingredients included on the list established in accordance with Article 59(1) as having endocrine disrupting properties or ingredients with endocrine disrupting properties according to the criteria laid down in Regulation 2017/2100/EU or Regulation 2018/605/EU in concentrations equal to or greater than 0.1%.

### 12.7 **Other adverse effects**

The substance is not classified as hazardous to the ozone layer. There should be considered the possibility of other harmful effects of the individual components of the mixture on the environment. (eg. the ability of disrupting endocrine, the impact of global warming potential).

## **13 SECTION 13: DISPOSAL CONSIDERATIONS**

### 13.1 **Waste treatment methods**

Disposal methods for the mixture: do not deposit with household waste. Disposal in accordance with the local legislation. Waste code should be assigned in place of formation.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. Containers contaminated with product residues should be treated in the same way as the product. Only containers completely emptied can be reused.

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Legal basis: Directive 2008/98/EC, 94/62/EC.

## 14 SECTION 14: TRANSPORT INFORMATION



### 14.1 UN number or ID number

ADR, IMDG,IATA: UN 2037

### 14.2 UN proper shipping name

ADR:IMDG. IATA: RECEPTACLES, SMALL, CONTAINING GAS (GAS CARTRIDGES)

### 14.3 Transport hazard class (es)

ADR, IMDG,IATA 2

### 14.4 Packing group

ADR, IMDG,IATA: Not applicable

### 14.5 Environmental hazards

This product is not a threat to the environment

### 14.6 Special precautions for user

#### ADR

Tunnel restriction code: ( E)

Classification Code: 5O

Special precautions for user: 191.303.344

Instructions:P203

Limited Quantity: [LQ]: 1L

**CV9** Packages shall not be thrown or subjected to impact. Receptacles shall be so stowed in the vehicle or container that they cannot overturn or fall

**CV12** . When pallets loaded with articles are stacked, each tier of pallets shall be evenly distributed over the lower tier, if necessary by the interposition of a material of adequate strength.

#### IMDG

EmS No: F-D, S-U

Stowage and Handling: Category B; SW2; SW22

Special precautions for user: SP277

### 14.7 Maritime transport in bulk according to IMO instruments

Inapplicable

## 15 SECTION 15: REGULATORY INFORMATION

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

#### Other legislation:

1. **1907/2006/EC** Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

2. **1272/2008/EC** of the Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
  3. **2018/669/UE** Commission Regulation (EU) 2018/669 of 16 April 2018 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures. Text with EEA relevance.
  4. **790/2009/EC** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
  5. **2008/98/EC** Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
  6. **94/62/EC** Commission Directive 2013/2/EU of 7 February 2013;amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
  7. **2015/830/EU** Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
  8. **2013/10/EU** Commission Directive of 19 March 2013 amending Council Directive 75/324/EEC on the approximation of the laws of the Member States relating to aerosol dispensers in order to adapt its labelling provisions to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures Text with EEA relevance
  9. European Agreement Concerning the International Carriage of Dangerous Goods by Road 2019-2021
- 15.2 **Chemical safety assessment**  
The supplier has not assessed chemical safety

## 16 SECTION 16: OTHER INFORMATION

### Other sources of information:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

Safety Data Sheet made by: **Feed Reach Consulting**. [www.frc.com.pl](http://www.frc.com.pl)

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.

The card has been developed on the basis of an ingredient safety data sheet, literature data, online databases (e.g. ECHA, TOXNET, COSING) and the knowledge and experience I have

### **H (hazard) phrases specified in point 2 and 3 hereof:**

H270	May cause or intensify fire; oxidiser
Oxidizing Gases	Hazard Category 1



# SAFETY DATA SHEET

Revision: 07.09.2021

VERSION : 1.0/EN

in accordance the Commission Regulation (EU) No **2020/878** of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

H280	Contains gas under pressure; may explode if heated
[Press. Gas (Comp.)]	Compressed gas

## Explanation of returns

PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	Very Persistent and Very Bioaccumulative
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road

## Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).