

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 1 of 11

## Safety Technical Specification

**Product Name:** Portable Oxygen Apparatus

**Model:** SS-M-960

**Batch No.:** /

**Client Name:** Shaanxi Union Future Health Technology Co., Ltd.

**Address:** Room 503, building 2, Weibin Internet Industrial Park, No. 1, Binhe South Road, Weibin District, Baoji City, Shaanxi Province

**Fixed line:** /

**Authorized signature:**



# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 2 of 11

## Safety Technical Specification

### Part 1: Chemical and enterprise identification

#### Product identification

**English name of product:** Portable Oxygen Apparatus

**Model number:**SS-M-960

**CAS No:** not applicable

**EC No:** not applicable

**Formula:** not applicable

#### Product recommendation and limited use

**Recommended use:** It is suitable for oxygen inhalation in people with hypoxia.

**Limit use:** No special instructions.

#### Details of applicant and supplier

**Applicant:**Shaanxi future Lianke Health Technology Co., Ltd.

**Address:**Shaanxi Union Future Health Technology Co., Ltd.

**Address:** Room 503, building 2, Weibin Internet Industrial Park, No. 1, Binhe South Road, Weibin District, Baoji City, Shaanxi Province

**Post code:**/

**Tel:** 15991974112

**Fax:**/

**Mail box:** /

**Supplier:** Shaanxi Sensheng Oxygen Therapy technology Co., Ltd

**Enterprise emergency telephone**

**Enterprise emergency telephone:**/

### Part 2: Risk overview

#### Emergency overview

#### GHS risk category

Oxidizing gas      Category 1

#### GHS label elements

#### Pictogram

# MSDS

Report No. : BND-B202108-129N

Date : August 30, 2021 Page : 3 of 11



## Signal words

DANGER

## Hazard statement

H270 May cause or aggravate combustion; Oxidant

H280 High pressure gas inside; It may explode in case of heat

## Precautions

### preventive measure

P220 Avoid / store away from clothing / combustible materials.

P244 The valve or fastening device shall not contain grease or oil agent.

## Accident response

P370+P376 In case of fire: if safety can be ensured, try to plug the leakage.

## Safe storage

P403 Store in a well ventilated place.

P410+P403 Protect from the sun. Store in a well ventilated place.

## Waste disposal

P501 dispose of contents / containers in accordance with local / regional / national / international regulations.

## Hazard description

### Physical and chemical hazards

Non dangerous goods.

### Health hazards

No information available.

### Environmental hazards

Please refer to MSDS Part 12

## Part 3: Composition / component information

Of the purest quality  Mixture

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 4 of 11

Component	Content	CAS
Oxygen	≥99.5%	7782-44-7

## Part 4: First aid measures

### Description of first aid measures

#### ordinary suggestion

First aid measures are usually required. Please show the MSDS to the doctor arriving at the scene. After receiving first aid measures, they were sent to the hospital for treatment if necessary.

#### Eye contact

Lift the eyelids, immediately flush the glasses with a large amount of flowing water. If the pain persists, see a doctor immediately.

#### Skin contact

Immediately take off the contaminated clothes and quickly wash the contaminated parts with a large amount of flowing water. If you feel irritated, see a doctor.

#### Ingestion

It is not considered to be a normal route of contact.

#### inhalation

If smoke or combustion products are inhaled, remove the patient from the contaminated area. Seek medical attention immediately.

#### First aid personnel protection

Ensure that medical staff understand the hazard characteristics of products and take self-protection measures to protect themselves and prevent the spread of pollution.

#### Advice on protecting the rescuer

Remove all fire sources and increase ventilation.

Avoid contact with skin and eyes.

Use protective equipment, including breathing masks.

#### Description of emergency medical treatment and special treatment

Continue to take emergency measures, according to the symptoms of targeted treatment.

Attention symptoms may be delayed.

## Part 5: Fire fighting measures



# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 5 of 11

**Extinguishing medium**

**Suitable extinguishing medium**

Extinguish the fire with dry sand and dry chemicals.

**Unsuitable extinguishing medium**

Avoid using too strong water vapor to extinguish the fire, as it may spread and disperse the fire.

**Special injury resulting from this substance or mixture**

No data.

**Precautions and measures for fire fighting**

Firefighters must wear positive pressure breathing apparatus and full body fire fighting clothing to put out the fire upwind.

Keep the container cool with water to prevent heating explosion and rapid fuelling of fire.

Quickly cut off the fire source and spray water to protect the personnel who cut off the gas source.

Keep containers / contents from fire site to open area as far as possible.

If the containers / contents in the fire site have changed color, they must be evacuated immediately.

Isolate the scene of the accident and prohibit irrelevant personnel from entering.

Collect and treat fire water to prevent environmental pollution.

## Part 6: Leakage Emergency Treatment

**Protective measures for operators, protective equipment and emergency handling procedures**

Do not take any action that involves any personal risk or without proper training.

Evacuate irrelevant personnel to a safe area. Unnecessary and unprotected personnel are strictly forbidden to enter.

Do not touch or step over spilled material to avoid slipping.

Through adequate ventilation. If the ventilation is not enough, wear a proper respirator.

Emergency personnel will be equipped with appropriate personal protective equipment (see Part VIII)

**Environmental protection measures**

Take measures to prevent further leakage or spillage while ensuring safety.

Avoid discharging into the surrounding environment.

**Storage and removal methods of leaked chemicals and disposal materials used**

Small leakage: if there is no danger, stop the leakage. Remove the container from the leak area.

Absorb the leakage with an inert dry material. Avoid dust, sweep up carefully, put in bags and

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 6 of 11

transfer to a safe place.

Large leakage: if there is no danger, stop the leakage. Transfer the leak area container. Approach the leak from upwind. Flush the overflow to the wastewater treatment plant or do the following. Contain and collect the leakage with non combustible absorbent (such as sand, earth, diatomite). The contaminated adsorbate may have the same hazard as the spilled product. Collect, recycle or transport to waste treatment site for disposal.

Attachments or collections should be stored in suitable closed containers and disposed of according to relevant local laws and regulations.

## Part 7: Handling and storage

### Operation precautions

Wear appropriate personal protective equipment (see Part VIII).

Operators must receive professional training and strictly abide by the operating procedures.

Eating, drinking and smoking are prohibited in places where materials are handled, stored and processed.

Provide suitable exhaust equipment. Operate in a well ventilated area.

General fire protection measures. Keep away from heat sources, sparks, open flames and hot surfaces.

Follow good hygiene procedures and habits.

Provide corresponding varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment.

### Storage considerations

Store in accordance with local regulations. Store in original container.

Keep the container closed until use.

Avoid direct sunlight and store in a dry, cool and well ventilated place away from incompatible materials (see part X).

Keep away from heat sources, sparks, open flames and hot surfaces.

Provide corresponding varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment.

## Part 8: Exposure control / personal protection

### Control parameters:

There are no known national exposure limits.

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page :7 of 11

## Engineering control

Keep adequate ventilation.

Use explosion-proof electrical appliances, ventilation, lighting equipment.

Set up emergency evacuation channel and necessary danger relief area.

## Personal protective equipment

### Eye protection

Wear goggles.

### Hand protection

Wear rubber protective gloves.

### respiratory system protection

Wear protective masks.

### Skin and body protection

Wear protective clothing.

## Part 9: Physical and chemical properties

**Appearance:** cylinder

**Color:** silver gray

**Odor:** slightly odorous gas

**Odor threshold:** no data

**PH:** no data

**Melting point / solution solid point (°C):** no data

**Initial boiling point and boiling range (°C):** no data

**Flash point (°C) (closed cup):** no data

**Evaporation rate:** no data

**Flammability:** no data

**Upper / lower explosion limit [% (V / V)]:** no data

**Steam pressure (kPa):** no data

**Relative vapor density (air = 1):** no data

**Relative density (water = 1):** no data

**Soluble:** no data

**Partition coefficient of n-octanol / water:** no data

**Natural temperature (°C):** no data

**Decomposition temperature (°C):** no data

**Kinematic viscosity (mm<sup>2</sup>gs):** no data



# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 8 of 11

## Part 10: Stability and reactivity

### Reactivity

It is stable under the correct use and storage conditions.

### Stability

The chemical property of this substance is stable.

### Conditions to avoid

Incompatible substances, direct sunlight, high temperature and open fire.

### Incompatible materials

Avoid the assembly of reducing agents.

### Hazardous decomposition products

Under normal storage and use conditions, there will be no dangerous decomposition products.

## Part 11: Toxicological data

### Acute toxicity

No information available.

### Skin irritation or corrosion

No information available.

### Eye irritation or corrosion

No information available.

### Respiratory sensitization

There is no known cause of human respiratory hypersensitivity.

### Skin sensitization

No information available.

### Mutagenicity of biological cells

According to the available data, products are not classified.

### Carcinogenicity

No information available.

### Reproductive toxicity

According to the available data, products are not classified.

### Additional harm of reproductive toxicity

According to the available data, products are not classified.

### Specific target organ systemic toxicity - single exposure

According to the available data, products are not classified.

### Specific target organ systemic toxicity repeated exposure



# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 9 of 11

According to the available data, products are not classified.

**Inhalation hazard:**

According to the available data, products are not classified.

## Part 12: Ecological data

**Aquatic toxicity**

**Acute aquatic toxicity**

No information available.

**Chronic aquatic toxicity**

No information available.

**Persistence and degradability**

**Degradability**

No information available.

**Bioaccumulation or bioaccumulation**

**Bioaccumulability**

No information available.

**Mobility in soil**

**Mobility**

No information available.

**Other hazards**

No information available.

## Part13: Waste disposal

**Waste**

Refer to the relevant state, local and national regulations for correct treatment.

Avoid or reduce waste as much as possible.

**Contaminated packaging**

Avoid or reduce waste generation as much as possible.

It should be recycled. Incineration or landfill should be considered only when recycling is not feasible.

**Precautions for waste disposal**

Refer to national and local regulations for handling containers and unused contents.

## Part 14: Transportation information

Net Address : [www.boende.com.cn](http://www.boende.com.cn) E-mail: [boendejc@dingtalk.com](mailto:boendejc@dingtalk.com) TEL: 400-1802-678

Land Address: Omeka Creative Park, No. 22, Xianshan East Road, Chengyang District, Qingdao

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 10 of 11

## Transport rules

According to IATA Dangerous Goods Code (61 Edition), National Maritime Dangerous Goods Code (Amendment 39-18), European dangerous goods code for land transport. The product is regulated by IATA DGR, IMDG and ADR / rid.

## Shipping labels and markings



## Road transport (UN-ADR)

UN transport of dangerous goods No.: UN1072

United Nations correct transport Name: Oxygen, Compressed

Main hazard category of transportation: Non flammable and non-toxic gas

Secondary hazard category for transportation: Oxides

Packing category: 355 / 655 / 662

Special provisions: None

Hazard identification code: 25

## Air transport (ICAO-IATA/DGR)

UN transport of dangerous goods No.: UN1072

United Nations correct transport Name: Oxygen, Compressed

Main hazard category of transportation: Non flammable and non-toxic gas

Transportation secondary hazard category: Oxide

Special regulations: A175, A302

ERG Code: 2X

## Shipping (IMDG-CODE)

UN transport of dangerous goods No.: UN1072

United Nations correct transport Name: Oxygen, Compressed

Main hazard category of transportation: Non flammable and non-toxic gas

Transportation secondary hazard category: Oxide

Special provisions: 355

Marine pollutants (yes / no): None

EmS No: F-C,S-W

# MSDS

Report No. : BND-B202108-129N      Date : August 30, 2021      Page : 11 of 11

## Part 15: Regulatory information

1. Catalogue of high toxic substances, Ministry of health notice No.142, 2003
2. List of dangerous chemicals (2015 Edition), No.5 announcement of the State Administration of work safety in 2015
3. Catalogue of hazardous chemicals under key environmental management, Document No. 33, 2014, issued by the general office of the Ministry of environmental protection
4. List of toxic chemicals with strict import and export restrictions in China, Ministry of environmental protection Announcement No. 85, 2013
5. Catalogue of explosive hazardous chemicals (2011 Edition), announcement of Ministry of public security on November 25, 2011
6. Catalogue of narcotic drugs and psychotropic drugs (2013 Edition), Notice No. 230 of the State Food and Drug Administration in 2013
7. List of China's import and export of controlled ozone depleting substances (batch 1-6), 2000-2012 series announcements of the Ministry of environmental protection
8. List of hazardous chemicals under key supervision (batch 1 and batch 2), No. 95 of 2011 and No. 12 of 2013 issued by the State Administration of work safety

## Part 16: Other information

### Reference

1. National Cancer Research Institute
2. OECD global chemicals information platform
3. U.S. Department of transportation: emergency response guidelines
4. Gestis - database of hazardous substances in Germany
5. American Cameo chemical substances database
6. American Medical Library: chemical labeling database
7. United States Environmental Protection Agency: integrated hazard information system
8. International chemical safety program: international chemical safety card (ICSC)

### Disclaimers

All the above information is only based on our existing knowledge, and the data and materials are for reference only. Users should judge its usability according to the application requirements, especially pay attention to new and different hazards when the product is mixed with other materials, and provide necessary safety precautions according to relevant rules.

\*\*\*\*\*End of MSDS\*\*\*\*\*

