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**SAFETY DATA SHEET**

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

- Product Name: SPANGAS OXYGEN 20 PCT OR LESS IN NITROGEN
- SPANGAS OXYGEN  $\leq$  20 % IN NITROGEN
- Product Part Number: 630343, 635375, 625798, 620120, 589135, 620120, 589135, 620179, 620146, 778176, 589051, 589044

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

- Use of the substance/preparation: Span gas

**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 4877 777 Fax: +31 4877 888
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- Head office: Wilhelmsen Ships Service AS
- Strandveien 20, N1324 Lysaker
- Norway, Tel: (47) 6349 440 35
- 
- Other suppliers SEE SECTION 16!!!
- For quotations contact your local Customer Services
- 
- Responsible Person: Product HSE Manager,
- Email: Email: WSS.GLOBAL.SDSINFO@wilhelmsen.com
- Telephone: Tel.: +31 10 4877775
- Datasheet Number: 630343
- Telephone: +31 10 4877 777
- Fax: +31 10 4877 888
- Emergency Telephone: **\*\*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

**1.4 Emergency telephone number**

- **\*\*\*\*ONLY TO BE USED IN CASE OF AN INCIDENT\*\*\*\***
- 
- International 24hrs Emergency NCEC: + 44 1865 407333
- American Chemistry Council 24hrs +1 703 527 3887
- Greece: Poisoning emergency center, +30 210 7793777
- Norway: Poison information centre, +47 22591300
- Sweden: Poison information centre, +46 08 33 12 31
- Wilhelmsen Ships Service, Melbourne, AUSTRALIA Emergency 24hrs: +61 3 9630 0998

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

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- Not classified as hazardous for users
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-

## SECTION 2 Hazards identification (....)

Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations

- Signal Word: Warning
- Symbols: GHS04
- Contains gas under pressure; may explode if heated (H280).

### 2.2 Label elements



- Signal Word: Warning
- Symbols: GHS04
- Pressurized container
- 
- Contains:
- OXYGEN - NITROGEN
- Hazard phrases
- Contains gas under pressure; may explode if heated (H280).
- Precautionary Phrases
- Store in a well-ventilated place (P403).

### 2.3 Other hazards

- Not applicable
- Not a PBT according to REACH Annex XIII

## SECTION 3 Composition/information on ingredients

### 3.1 Mixtures

- NITROGEN  
Concentration:  $\geq 80$   
CAS Number: 7727-37-9  
EC Number: 231-783-9  
R/H Phrases: H280  
Symbols: -  
Categories: Press. Gas
- OXYGEN  
Concentration:  $\leq 20$   
CAS Number: 7782-44-7  
EC Number: 231-956-9  
R/H Phrases: R8 - H270  
Symbols: O, GHS03, GHS04  
Categories: Ox. Gas 1

## SECTION 4 First aid measures

### 4.1 Description of first aid measures

- Inhalation: Asphyxiant, If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing (P341)., Remove patient to fresh air
- Contact with eyes: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes, Irrigate eyes thoroughly whilst lifting eyelids, When in doubt or symptoms persist, seek medical attention
- Contact with skin: Not applicable
- Ingestion: Not applicable

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

- Aspiration hazard

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

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- 4.3 Indication of any immediate medical attention and special treatment needed
- Treat symptomatically
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## SECTION 5 Fire-fighting measures

- 5.1 Extinguishing media
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
  - Keep container(s) exposed to fire cool, by spraying with water
- 5.2 Special hazards arising from the substance or mixture
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders
- 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
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## SECTION 6 Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
- Shut off source of leak if safe to do so
- 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
  - Allow product to evaporate
- 6.4 Reference to other sections
- See Section 13
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## SECTION 7 Handling and storage

- 7.1 Precautions for safe handling
- 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)
- Contact supplier for further information
- 

## SECTION 8 Exposure controls/personal protection

- 8.1 Control parameters
- No exposure limits have been set for this substance
- 8.2 Exposure controls
- No special requirements
- 8.3 Occupational exposure controls



- No special requirements

## **SECTION 9 Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

- Odour: Odourless
- Appearance: Compressed gas
- pH - not applicable
- Boiling point - not known
- Vapour pressure - not applicable
- Vapour density (air = 1) 1
- Melting point - not known
- Water solubility - not applicable
- Density 20 kg/m<sup>3</sup>
- Not flammable
- Unstable above
- Auto-ignition point 760 deg C

### 9.2 Other information

- No information available
- 

## **SECTION 10 Stability and reactivity**

### 10.1 Reactivity

- This article is considered stable under normal conditions

### 10.2 Chemical stability

- Considered stable under normal conditions

### 10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

### 10.4 Conditions to avoid

- Avoid overheating
- Keep away from naked flames, incandescent or hot surfaces

### 10.5 Incompatible materials

- None

### 10.6 Hazardous Decomposition Products

- Decomposition products may include toxic and irritant fumes
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## **SECTION 11 Toxicological information**

### 11.1 Information on toxicological effects

- Non-toxic

### 11.2 Contact with eyes

- In cases of severe exposure, irritation may develop
- Not hazardous

### 11.3 Contact with skin

- Not hazardous

### 11.4 Ingestion

- Not regarded as a potential route of exposure.

### 11.5 Inhalation

- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Asphyxiant
- Not hazardous

**SECTION 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

- Not a PBT according to REACH Annex XIII

## 12.6 Other Adverse Effects

- Presents no hazard to the environment
- 

**SECTION 13 Disposal considerations**

## 13.1 Waste treatment methods

- Uncontaminated material may be returnable. Contact supplier
- Disposal should be in accordance with local, state or national legislation
- Disposal should be in accordance with manufacturer's instructions
- Do not pierce or burn container, even after use

## 13.2 Classification

- EU Waste class: -
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**SECTION 14 Transport information**

## 14.1 UN

- UN No.: UN1956
- Proper Shipping Name: COMPRESSED GAS, N.O.S. (Oxygen in Nitrogen mixture)
- Hazard Class: 2.2
- Packing Group: Not applicable

## 14.2 Environmental hazards

- Not applicable

## 14.3 Special precautions for user

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

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

- Not applicable

## 14.5 Road/Rail (ADR/RID)

- ADR UN No.: UN1956
- Proper Shipping Name: COMPRESSED GAS, N.O.S. (Oxygen in Nitrogen mixture)
- ADR Hazard Class: 2.2
- ADR Packing Group: Not applicable

## 14.6 Sea (IMDG)

- IMDG UN No.: UN1956
  - Proper Shipping Name: COMPRESSED GAS, N.O.S. (Oxygen in Nitrogen mixture)
  - IMDG Hazard Class: 2.2
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**SECTION 14 Transport information (....)**

- IMDG Pack Group.: Not applicable
- IMDG EmS: F-C, S-V

**14.7 Air (ICAO/IATA)**

- ICAO Un No.: UN1956
- Proper Shipping Name: COMPRESSED GAS, N.O.S. (Oxygen in Nitrogen mixture)
- ICAO Hazard Class: 2.2
- ICAO Packing Group: Not applicable

**14.8 DOT / CFR (US Department of Transportation)**

- Identification Number: UN1956
  - DOT Proper Shipping Name: COMPRESSED GAS, N.O.S. (Oxygen in Nitrogen mixture)
  - DOT Labels: 2.2
  - Product RQ (lbs): Not applicable
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**SECTION 15 Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Council Directive 1999/45/EEC Classification, packing and labelling of dangerous preparations.
- Dangerous Substances Directive (67/548/EEC). Classification, packaging and labelling of dangerous substances
- Regulations 1272/2008/EEC. Classification, labeling and packing of dangerous substances and preparations
- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010

**15.2 Chemical Safety Assessment**

- None
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**SECTION 16 Other information**

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H270: May cause or intensify fire; oxidiser. H280: Contains gas under pressure; may explode if heated. 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 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

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

## **SECTION 16 Other information (....)**

The most up-to-date version of this MSDS can be found on [www.wilhelmsen.com/shipsservice](http://www.wilhelmsen.com/shipsservice)

### **OTHER CONTACT INFORMATION MAJOR CHEMICAL OFFICES**

Wilhelmsen Ships Service Level 17, 636 St Kilda Road Melbourne Vic 3004 AUSTRALIA

Tel: +61 3 9630 0900 Emergency 24hrs: +61 3 9630 0998

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Telephone daytime: (+1) 718 815 1310 Fax: (+1) 718 233 3268

Wilhelmsen Ships Service INC 2200 W. Pacific Coast Highway US-90810 Long Beach California, United States Tel (+1) 562 624 8888 Fax (+1) 562 624 1011

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