



SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: OXYGEN**Part Number: 211423****Recommended Use of the Chemical and Restriction on Use:** Industrial and professional use.**Details of Manufacturer or Importer:**

Sutton Tools (NZ) Ltd
80A Hunua Road,
Papakura, Auckland,
New Zealand, 2110

Phone Number: +64 9 295 0135**Emergency telephone number:** +64 21 923 509

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001. Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.



flame over circle

Oxidising Gases 1 H270 May cause or intensify fire; oxidiser.



gas cylinder

Press. Gas C H280 Contains gas under pressure; may explode if heated.

HSNO Classification 5.1.2A - Oxidising substances that are gases.**Signal Word** Danger**Hazard Statements**

H270 May cause or intensify fire; oxidiser.

H280 Contains gas under pressure; may explode if heated.

Precautionary Statements

P220 Keep/Store away from clothing/combustible materials.

P244 Keep valves and fittings free from oil and grease.

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

P410+P403 Protect from sunlight. Store in a well-ventilated place.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 7782-44-7	Oxygen	Oxidising Gases 1, H270;	Press. Gas C, H280	≥99.99%
----------------	--------	--------------------------	--------------------	---------

4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention if breathing problems develop.

(Contd. on page 2)

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

Product Name: OXYGEN

(Contd. of page 1)

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek medical attention if symptoms occur.

Symptoms Caused by Exposure:

Inhalation: Continuous inhalation of concentrations >75% may cause nausea, dizziness, respiratory difficulty and convulsions.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

Specific Hazards Arising from the Chemical:

May cause or intensify fire; oxidiser. This product supports combustion.

Closed containers may explode when exposed to extreme heat. Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Keep away from reducing agents, combustible materials, organic material, oil and grease.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up: Ensure adequate ventilation.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50°C. Ensure adequate ventilation. Keep away from reducing agents, combustible materials, organic material, oil and grease. Take care when handling containers to avoid physical damage to the cylinder. Do not allow backfeed into the cylinder. Do not allow suck back of water into the cylinder. Do not completely empty the cylinder.

(Contd. on page 3)

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

Product Name: OXYGEN

(Contd. of page 2)

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:

Respiratory protection is not required under normal use conditions.

Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

Leather, wool or aramid blend gauntlets. See Australian/New Zealand Standard AS/NZS 2161 for more information.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against gas. See Australian/New Zealand Standard AS/NZS 1337.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Compressed gas
Colour:	Colourless
Odour:	Odourless
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	-219 - 183 °C
Initial Boiling Point/Boiling Range:	-118 °C
Flash Point:	Not applicable
Flammability:	Contact with combustible material may cause fire.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	No information available

(Contd. on page 4)

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

Product Name: OXYGEN

(Contd. of page 3)

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.

May cause or intensify fire; oxidiser.

May react violently with combustible materials and reducing agents.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.**Conditions to Avoid:** Extreme temperatures.**Incompatible Materials:** Reducing agents, combustible materials, organic material, oil and grease.**Hazardous Decomposition Products:** No hazardous decomposition products known.

11 . TOXICOLOGICAL INFORMATION

Toxicity:**LD₅₀/LC₅₀ Values Relevant for Classification:** No information available**Acute Health Effects****Inhalation:**

Continuous inhalation of concentrations >75% may cause nausea, dizziness, respiratory difficulty and convulsions.

Skin: No adverse health effects expected.**Eye:** No adverse health effects expected.**Ingestion:** No adverse health effects expected.**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:**

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No adverse ecological effects are expected.**Aquatic toxicity:** No information available**Persistence and Degradability:** No information available**Bioaccumulative Potential:** No information available

(Contd. on page 5)

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

Product Name: OXYGEN

(Contd. of page 4)

Mobility in Soil: No information available**Other adverse effects:** No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number**NZS 5433** UN1072**IMDG, IATA** UN1072**Proper Shipping Name****NZS 5433** OXYGEN, COMPRESSED**IMDG, IATA** OXYGEN, COMPRESSED**Dangerous Goods Class****NZS 5433** 2.2**Subsidiary Risk:** 5.1**IMDG Class:** 2.2**Packing Group:** Not applicable**EMS Number:** F-C,S-W**Hazchem Code:** 2S**Special Provisions:** 355**Limited Quantities:** 0**Excepted quantities (EQ)** E0

15 . REGULATORY INFORMATION

HSNO Approval Code / Group Standard: Oxygen - HSR001029**New Zealand Inventory of Chemicals**

All ingredients are listed.

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 17.04.2018**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

WES: Workplace Exposure Standard

Oxidising Gases 1: Oxidising gases, Hazard Category 1

Press. Gas C: Gases under pressure – Compressed gas

(Contd. on page 6)

SAFETY DATA SHEET

according to HSNO Act 1996

Printing date 17.04.2018

Revision: 17.04.2018

Product Name: OXYGEN

(Contd. of page 5)

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.
The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Sutton Tools (NZ) Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.