

SAFETY SHEET
(D.M. nr. 46 28/01/92 - S.O.G.U. nr. 50 23/02/92)

Product: **OXYGEN**
Sheet: 4803 v. 0

1 PRODUCT AND SUPPLIER IDENTIFICATION

Sheet No.	4803 v.0 , dated 08/01/98
Product	Oxygen
Container	Non-rechargeable spray cans, capacity < 1 lt
Chemical formula	O ₂
Supplier Identification	OXYTURBO Srl Via Serio (Zona Industriale) Casella Postale 236 25015 Desenzano della Garda-BS- +39 0309911855
Emergency Tel.N°	

2 INGREDIENTS/CONTENTS INFORMATION

Substance/Preparation	Substance
Ingredients/impurities classification of the product	Contains no other products or impurities such as to affect the
CAS N°	07782-44-7
EEC N°	231-956-9

3 HAZARD IDENTIFICATION

Hazard Identification	Compressed gas. Strongly supports combustion. May react violently with combustible materials
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4 FIRST AID MEASURES

Inhalation	Prolonged inhalation at concentrations over 75% may cause nausea, vertigo, breathing difficulties or convulsions
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5 FIRE PRECAUTIONS

Specific hazards	Supports combustion Exposure to naked flame may cause container to burst or explode Non-flammable
Hazardous combustion products	None
Means of extinguishing	All known means of extinguishing may be used
Specific Methods	If possible, stop product escaping Remove container or cool with water from a safe position
Special protective gear	None

6 MEASURES IN CASE OF ACCIDENTAL ESCAPE/SPILLAGE

Personal precautions	Evacuate the area Provide adequate ventilation Eliminate sources of ignition
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Environmental precautions occur	Prevent entry into drains, basements, excavations or other areas where hazardous build-up could
To remove product	Ventilate the area

7 HANDLING AND STORAGE

Handling and storage	Do not expose to direct sunshine or temperatures above 50°C Store in a well ventilated area. Do not use oil or fats Avoid storing near to inflammable materials or gases Prevent any reflux of gas into container. Use only purpose-made equipment suitable for the product, its pressure and temperature of use. Keep well away from sources of ignition (including static discharge)
	If in doubt, contact supplier

8 PERSONAL PROTECTION /EXPOSURE CONTROL

Personal protection	Do not smoke while handling this product Use suitable protective gear for hands, body and head Wear protective goggles during cutting or welding operations Avoid oxygen-rich atmospheres (> 23%) Provide adequate ventilation
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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless gas
Odour	Not detectable by odour
Other data	Gas/vapour, heavier than air. May build up in enclosed spaces, particularly at ground level or underground
Molecular weight	32
Freezing point	-219°C
Boiling point	-183°C
Critical temperature	-118°C
Ignition temperature	not applicable
Flammability limits (vol % in air)	oxidant
Vapour pressure at 20°C	not applicable
Relative density, gas (air=1)	1.1
Solubility in water (mg/l)	39 mg/l

10 STABILITY AND REACTIVITY

Stability and reactivity	May react violently with flammable materials May react violently with reducing agents Oxidises organic materials violently
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11 TOXICOLOGICAL INFORMATION

General	No toxic effects
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12 ENVIRONMENTAL INFORMATION

General	The product is causes no environmental damage
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13 CONSIDERATIONS ON DISPOSAL

General	Vent to air in a well-ventilated place. Do not discharge where accumulation of oxygen could be hazardous. Contact supplier if further instructions for use are required
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14 INFORMATION FOR TRANSPORT

UN	Class	2.2
	Number	1072
ADR	Class	2
	Code	1° O
	Class 2 Label	Non-toxic non-flammable gas
	5:	Fire intensification hazard
IMDG/IMO	Class 2.2:	Compressed gases, non-flammable
	Class Label 2.2	Compressed gases, non-flammable
	Secondary Hazards Label	5.1 assists fire
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Other transport information		Avoid transporting on vehicles where load space is not separate from cab

Ensure that driver is aware of the potential hazards of the load, and knows what to do in the event of an accident or emergency.

Before setting off, ensure that load is well secured, adequately ventilated, and regulations in force are complied with.

15 REGULATORY INFORMATION

Number in Annex 1 to Directive 67/548	Not included in Annex 1
EEC Classification	
(Proposed by the relevant Industry Association):	O; R8
Symbols	O: Assists fire
Container labelling	Use symbols in European Agreement concerning the international Carriage of Dangerous Goods by Roads(ADR)
R Phrases	R8: Contact with combustible material may cause fire
S Phrases	S17: Keep away from combustible material

16 OTHER INFORMATION

Ensure compliance with all national and regional regulations.

Ensure operator understands the hazards of oxygen-rich atmospheres.

Before using this product in any new process or experiment, make a thorough study of the product's safety and compatibility with the materials

The information contained in this document is to be regarded as accurate at the time of printing. No liability is accepted for any loss, injury or damage resulting from use of the product in applications for it was not intended or under conditions of use outside those stated in the Safety Sheet.

Source for main data used to draw up this Safety Sheet: Air Liquide Safety Sheet No. AL.097A Version 1 dated 01/03/95.