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		Revised edition no :1
		Supersedes : 0/0/0
Oxygen (Compressed gas)		

 O : Oxidizing	 Label 2.2 : Non flammable, non toxic gas.	 Label 5.1 : Oxidizing substances.
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1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

product name	Oxygen (Compressed gas)
Chemical formula	O ₂
company	Gases for medical and industrial gases
Emergency phone numbers	23818102/23818109/23818032 Hot line 19802


2- COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation

Substance

Substance name	Index Nr	EEC No	CAS No	Contents	Classification
Oxygen (Compressed gas)	08-001-00-8	231-956-9	7782-44-7	%100	--

Contains no other components or impurities that will influence the classification of the product.

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3- HAZARDS IDENTIFICATION


Hazards identification	Compressed gas. Oxidant. Strongly supports combustion. May react violently with combustible materials.
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4- FIRSTAID MEASURES

Inhalation	Continuous inhalation of concentrations higher than 75% may cause nausea, dizziness, respiratory difficulty and convulsion. Remove Victim to uncontaminated area.
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5- FIRE FIGHTING MEASURES

Specific hazards	Supports combustion. Exposure to fire may cause containers to rupture/explode.
Flammable Class	Non flammable
Hazardous combustion products	None
Suitable extinguishing media	All known extinguishants can be used.
Specific methods	If possible, stop flow of product. Move away from container away and cool with water from a protected position.
Special protective equipment for fire fighters	None.

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6- ACCIDENTAL RELEASE MEASURES


Personal precautions	Evacuate area Ensure adequate air ventilation.
Environmental precautions	Eliminate ignition sources. Use protective clothing. Try to stop release. Prevent from entering sewers, basements and work pits, or any place where its accumulation can be dangerous
Clean up methods	Ventilate area.

7- HANDLING AND STORAGE

Storage	Segregate from flammable gases and other flammable materials in store. Keep container below 50°C in a well-ventilated place.
Handling	Water absorption into the container must be prevented. Do not allow back feeding into the container. Use only properly selected equipment appropriate for this product, supply pressure, and temperature. Contact the Gases Company for Medical and Industrial Gases in Egypt if you are in doubt. Keep away from sources of ignition (including static discharge). Open the valve slowly to avoid pressure shock. Do not use oil or grease. Refer to the instructions for handling containers for medical and industrial gases.

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection	Do not smoke while handling product. Ensure adequate ventilation. Wear suitable hand, body, and head protection. Wear goggles with suitable filter lenses when use in cutting/welding Avoid oxygen rich (>21%) atmospheres.
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9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State at 20°C	Compressed gas	Critical temperature	-118 °C	Solubility mg/l water	39 mg/l
Molecular weight	32	Relative density, gas (Air=1)	1.1	Appearance/Color	Colorless gas
Melting point	-219 °C	Relative density, liquid (water=1)	1.1	Odor	No odor warning properties
Boiling point	-183 °C	Vapor Pressure	20°C Not applicable	Auto ignition temperature	Not applicable
Flammability range	Oxidizer	Other data	Gas/vapor heavier than air. May accumulate in confined Spaces, particularly at or below ground.		

10- STABILITY AND REACTIVITY


Stability and reactivity	May react violently with reducing agents. Violently oxidizes organic material. May react violently with combustible materials.
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11- TOXICOLOGICAL INFORMATION

General	No known toxicological effects from this product.
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12- ECOLOGICAL INFORMATION

General	No ecological damage caused by this product.
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13- DISPOSAL CONSIDERATIONS

General	to the atmosphere in a well-ventilated place. Do not discharge into any place where its accumulation Contact a gas company for medical and industrial gases if necessary.
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14- TRANSPORT INFORMATION

UN Nr	1072
Proper shipping name	Oxygen Compressed gas
Class/Div	2.2
ADR/RID Hazard Nr	2.1
Subsidiary risk	5.1
Hazard Identification Nr ADR/RID	25
Labeling ADR	Label 5.1: Oxidizing substances. Label 2.2: non flammable non toxic gas
Other transport information	<p>Avoid transport on vehicles where the load space is not separated from the driver's compartment.</p> <p>Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency.</p> <p>Before transporting product containers:</p> <ul style="list-style-type: none"> - Ensure that containers are firmly secured and: - Ensure cylinder valve is closed and not leaking. - Ensure valve outlet cap nut or plug (where provided) is correctly fitted. - Ensure valve protection device (where provided) is correctly fitted. - Ensure there is adequate ventilation. - Compliance with applicable regulations.

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15- OTHER INFORMATION

Ensure all national/local regulations are observed. Ensure that operators understand the risks of oxygen enrichment. Before this product is used in any new process or experiment, a thorough study of material compatibility and safety should be performed. The details contained herein were believed to be correct at the time of going to press. While proper care has been taken in the preparation of this document, no liability can be accepted for injury or damage resulting from its use. This MSDS is for information purposes only and is subject to change without notice. Before purchasing products, please contact GAZT for medical and industrial gases for a full range.

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