


UN 1002

	Safety data sheet	Revision number /Version: 2
		According to European Regulation (EU) N0.1907/2006
	Air compressed-compressed Gas	Creation date: 22.04.2014 Last revised date: 01.08.2017
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### Part: 1 Identification of the Substance / Company Identification

<b>Product name:</b>	Air, compressed (Mixture of N <sub>2</sub> and O <sub>2</sub> )
<b>Code. No. EE ( EINECS):</b>	Oxygen: 231-956-9, Nitrogen: 231-783-9
<b>Code. No. CAS:</b>	Oxygen: 7782-44-7, Nitrogen: 7727-37-9
<b>Supplier:</b>	MOBIAK SA
<b>Address:</b>	96-98 Markou Botsari Str, Chania, Crete
<b>P.C:</b>	73136
<b>Tel/FAX:</b>	+30 2821063222, +30 2821066281/ +30 2821066405
<b>E-mail:</b>	mobiakgas@mobiak.gr
<b>Emergency phone number:</b>	+30 2821063222

### Part: 2 Hazards identification / Classification according to Regulation (EC) No 1272/2008 (CLP / GHS)

**Classification according to Regulation 1272 / EC ( CLP/GHS):**

Compressed gas, may explode if heated.

**Classification according to Directive 67/548/EEC & 1999/45/EC:**

Not classified as a dangerous substance / mixture.

**Label elements: Signal word / Hazard pictograms:**

Warning



Contains gas under pressure, as it may explode ,H280.

**Storage:**

P403-Storage in a well-ventilated place.

### Part: 3 Composition / Information on Ingredients

Chemical Name	Chemical Symbol	Concentration	CAS-Number	EC-Number	REACH Regulation Number
Nitrogen	N <sub>2</sub>	79%	7727-37-9	231-783-9	Regulation Number (EC) 1907/2006
Oxygen	O <sub>2</sub>	21%	7782-44-7	231-956-9	Regulation Number (EC) 1907/2006

### Part: 4 First Aid Measures


**In case of inhalation:**

Not consider a possible cause of exposure.

**If swallowed:**

Not considered a possible cause of exposure.



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**In case of contact with skin:**

Adverse effects not expected from this product.

**In case of eye contact:**

Adverse effects not expected from this product.

### Part: 5 Fire-fighting measures

**Specific hazards:**

Heat may cause the containers to explode.

**Suitable extinguishing measures:**

All The material does not burn. In case of fire in the environment, use the appropriate extinguishing agent. All known extinguishing media can be used.

**Special protective equipment for fire-fighters:**

Fire fighters should use standard protective equipment, including flame retardant, face shield helmet, gloves, rubber boots, and SCBA-breathing device. In enclosed spaces, breathing autonomous, open circuit devices with full face mask should be used. Unfold the rollers by releasing the fire extinguishing system if it is connected to it. Remove the ignition source if it is safe to do so. Move the bottles from the fire area if this can be done without risk. Use water spray to keep the bottles exposed to heat cool.

**Measures in case of fire:**

If is it possible, stop leakage of the product.

Move to a safe distance from the container and cool with water from a protected position. Do not empty contaminated extinguishing water into drains.

### Part: 6 Measures to deal with accidental release

**Measures to manage leakage :**

Avoid releasing the material to the soil, waterways, drains and sewers, in places where a high concentration of this gas could be harmful.

**Disinfection instructions :**

Ensure adequate ventilation of the space.

**Personal Precautions:**


Evacuate the area. Use compressed air in a separate device Cylinder in the danger zone, up to a risk area.  
Inform the supplier of cylinders or services of emergency as appropriate.  
Do not attempt to repair damaged valve or regulators.

### Part: 7 Handling and storage

**Precautions for safe handling:**

The substance should be handled in accordance with good industrial hygiene and safety procedures. Only experienced and instructed persons should handle gases under pressure. Use specified equipment which is suitable for this product, its supply pressure and



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temperature. For any doubt, contact your supplier. Verify that there is no leakage from the grid before using the bottle. Do not smoke while using the gas. Do not release gas into the atmosphere.

#### **Safe bottle handling:**

Suck back of water into the container must be prevented. Handle the bottle with care to avoid jolts, friction and knocks. Use only in well-ventilated areas. Do not remove or deface labels provided by the supplier for the identification of the container contents. Never attempt to repair or modify container valves or safety relief devices. Keep container valve outlets clean and free from contaminants particularly oil and water. Container valve guards or caps should be in place. Store the bottle inside the store in a safe and cool place. Restrict access only to authorized personnel. Report all incidents involving thefts, shortcomings, misuse or inventory for law enforcement and supplier sanctions.

#### **Requirements for safe storage of bottles in storage:**

Do not expose bottles to temperatures higher than 50 °C (122 °F)

#### **About storage in a shared storage place:**

Sources of ignition should be removed from the storage area.

#### **Storage:**

#### **Learn more about storage conditions:**

Cylinders should be stored in a vertical position and securely fastened to prevent it from falling. Periodic inspection is required for the general condition of cylinders and for possible leakage. Keep the bottle valve hermetically sealed and do not remove the caps when the bottle is not in use. Store containers in location free from risk and away from sources of heat and ignition. Cylinders should not be stored in conditions likely to encourage corrosion.

### **Part: 8 Exposure controls / Personal Protection**

#### **Appropriate engineering controls:**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.


#### **Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers or filters to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures:**

A risk assessment must be carried out and documented in each workplace to assess the risks associated with the use of the product. Personal protective equipment should be selected based on the work performed and the risks involved. Always wear work gloves and protective footwear when handling compressed gas bottles.



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## Part: 9 Physical and Chemical properties

### GENERAL INFORMATION

**Appearance:** Gas  
**Colour:** Colourless gas  
**Odour:** No odour  
**Change in melting point Melting point / area:** -216,2° C  
**Boiling / boiling point:** -194,3° C  
**Ignition point:** Not applicable for gases  
**Critical temperature:** -146,95° C  
**Density of the gas:** 0,0749

## Part: 10 Stability and Reactivity

**Reactivity:** There are no specific test data on the potency available for this product or its components.

**Chemical stability:** Under normal conditions the product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, no dangerous reactions are taking place.

**Hazardous decomposition products:** Under normal conditions of storage and use, no hazardous decomposition products are produced.

## Part: 11 Toxicological Information

### Information of toxicological effects:

**Acute toxicity:** Based on available data, the classification criteria are not met.

**Skin Sensitisation:** Contact with rapidly released gas may cause burns or frostbite.

**Eye Irritation:** Contact with rapidly released gas may cause burns or frostbite.

**Respiratory sensitization:** Based on available data, the classification criteria are not met.


**Appearance of Cancer:** Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity Product:** Based on available data, the classification criteria are not met.

## Part: 12 Ecological Information

**Toxicity:** No known ecological damage is caused by this product.



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**Persistence and degradation:**

This product is expected to biodegrade but is not expected to remain in the aquatic environment for a long time.

**Bioaccumulation potential:**

Due to its high variability, the product is unlikely to cause soil or water pollution.


### Part: 13 Disposal Considerations

**Waste management:**


The generation of waste should be avoided or minimized where possible. Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental and waste disposal legislation as well as the requirements of regional local authorities. Discard surplus and non-recyclable products through an authorized waste transporter. Waste should not be disposed of without treatment in the sewerage system unless it fully complies with the requirements of all competent authorities. Empty containers may retain some residual products. Do not pierce or incinerate the container. Dispose of the gas in the atmosphere in a well-ventilated area. For more information on gas discharge, please refer to the EIGA Practice Code EWC Nr. 16 05 05.

### Part: 14 Transport Information


**ADR/RID**

Class	2	Classification Code	1A
UN number and proper shipping name "UN 1002, Air, compressed"			
ADR/RID- Risk Labels			
Hazard number	20		
Packing Instruction	P200		


**IMDG**

Class	2.2		
UN number and proper shipping name "UN 100, Air, compressed"			
Risk Labels			
Packing Instruction	P200		
Ems	F-C,S-V		



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#### IATA

Class	2.2	
UN number and proper shipping name "UN 1002 Air , compressed"		
Risk Labels	<div>2.2 Non-flammable non-toxic gases</div> 	
Packing Instruction	P200	

#### Additional transport information

Avoid transport on vehicles where the load space is not separated from the driver's compartment. Make sure that the driver of the vehicle is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency. Before transferring cylinders, make sure that they are firmly secured and the valve of cylinder is closed and there is no leakage - the caps, screwed or snapped (where fitted) are correctly fitted - the valve protection device (where fitted). Make sure that there have adequate ventilation. Compliance with applicable regulations is required.

### Part: 15 Regulatory Information

**National Regulation:** Management of Health and Safety at Work Regulations (1999 No.3242), Control of Major Accident Hazards Regulations (2015 No. 483). This Data Sheet has been produced to comply with Regulation (EU) 2015/830.

### Part: 16 Other Information

Avoid leakage of gas from its packaging.

#### Advice:

Although due attention has been paid to the preparation of this document, no liability for injury or damage resulting from the use of the cylinders can be accepted. The details given in this document are based on the most recent updated knowledge on this subject.

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