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Date: 15/9/2022

Revised edition no :1

Supersedes : 0/0/0

Nitrogen (Compressed gas)



1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

product name	Nitrogen
Chemical formula	N2
company	Gases for medical and industrial gases
Emergency phone numbers	23818102/23818109/23818032
	Hot line 19802

2- COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation Substance/Preparation

Substance

Substance name	Index Nr	EEC No	CAS No	Contents	Classification
Nitrogen		231-783-9	7729-37-9	%100	
(Compressed gas)					

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.
	In high concentrations may cause asphyxiation.

4- FIRSTAIDMEASURES

Inhalation	In high concentrations may cause asphyxiation. Symptoms may
	include loss of mobility/consciousness. Victim may not be aware
	of asphyxiation. Remove victim to uncontaminated area wearing
	self contained breathing apparatus. Keep victim warm and
	rested. Call a doctor. Apply artificial respiration if breathing
	stopped.

5- FIRE FIGHTING MEASURES

Specific hazards	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.
Special protective equipment for fire	In confined space use self-contained breathing
fighters	apparatus.



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6- ACCIDENTAL RELEASE MEASURES

Personal precautions Evacuate area

Ensure adequate air ventilation.

Wear self-contained breathing apparatus when entering

Area unless atmosphere is proved to be safe.

Environmental precautions 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	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. Refer to the instructions for handling containers for gases for	
	medical and industrial gases.	

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection	Ensure adequate ventilation.
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9- PHYSICAL AND CHEMICAL PROPERTIES

Physical State at	Compressed	Critical	-147 °C	Solubility mg/l	20 mg/l
20°C	gas	temperature		water	
Molecular weight	28	Relative density,	0.97	Appearance/Color	Colorless
		gas (Air=1)			gas
	-210 °C	Relative density,	Not		No odor
Melting point		liquid (water=1)	applicable	Odor	warning
					properties
Boiling point	-196 °C	Vapor Pressure	20°C Not	Auto ignition	Not
			applicable	temperature	applicable
Flammability	Oxidizer	Other data.	Gas/vapor h	neavier than air. May	accumulate
range			in confined	Spaces, particularly	at or below
				ground.	

10- STABILITY AND REACTIVITY

Stability and reactivity Stable under normal conditions

11- TOXICOLOGICAL INFORMATION

General No known toxicological effects from this product.

12- **ECOLOGICAL INFORMATION**

General No known ecological damage caused by this product.



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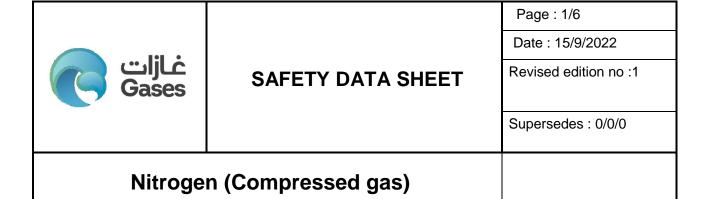
Nitrogen (Compressed gas)

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.

14- TRANSPORT INFORMATION

UN Nr	1066	
Proper shipping name	Nitrogen, compressed	
Class/Div	2.2	
ADR/RID Hazard Nr	20	
Labeling ADR	Label 2.2: non flammable non toxic gas	
Other transport information	Avoid transport on vehicles where the load space is not	
	separated from the driver's compartment.	
	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.	
	Before transporting product containers ensure that they are	
	firmly secured and:	
	- Cylinder valve is closed and not leaking.	
	- Valve outlet cap nut or plug (where provided) is	
	correctly fitted.	
	- Valve protection device (where provided) is correctly	
	fitted.	
	- There is adequate ventilation.	
	- Compliance with applicable regulations.	



15- OTHER INFORMATION

Asphyxiant in high concentrations. Keep container in well ventilated place. Do not breathe the gas. Ensure all national/local regulations are observed. The hazard of asphyxiation is often overlooked and must be stressed during operator training. Before using this product in any new process or experiment, a thorough material compatibility and safety study should be carried out. Details given in this document are believed to be correct at the time of going to press. Whilst proper care has been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted. This MSDS is for information purposes only and is subject to change without notice.

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