SAFETY DATA SHEET



Nitrogen (N₂)

01 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product Name Chemical Formula Company Identification Emergency Phone Numbers Nitrogen N₂ See footer See footer



Label 2.2 Non flammable, non toxic gas

02	COMPOSITION/INFORMATION ON INGREDIENTS		06	ACCIDENTAL RELEASE MEASURES	
	Substance/Preparation	Substance		Personal precautions	Evacuate Area.
	Contents	100%			Wear self-contained breathing apparatus
	Components/Impurities	Contains no other components or impurities			when entering area unless atmosphere is
		which will influence the classification of the			proved be be safe.
		product.			Ensure adequate air ventilation.
	CAS Nr	7727-37-9		Environmental	Try to stop release only if safe to do so.
	EEC Nr (from NINECS)	231-783-9		precautions	
				Clean up methods	Ventilate area.
03	HAZARDS IDENTIFICATION				
	Hazards identification	Compressed gas.	07	HANDLING AND STORA	
		In high concentrations may cause		Handling and storage.	Suck back of water into the container must be
		asphyxiation.			prevented.
0.4	FIRST AID MEASURES				Do not allow backfeed into the container.
04	Inhalation	In high concentrations may cause asphyxiation.			Use only properly specified equipment which
	innalation	Symptoms may include loss of			is suitable for this product, its supply pressure
		mobility/consciousness.			and temperature. If in any doubt, contact your
		Victim may not be aware of asphyxiation.			gas supplier.
					Refer to supplier's container handling
		Remove victim to uncontaminated area wearing			instructions.
		self contained breathing apparatus.			Keep container below 50° C in well ventilated
		Keep victim warm and rested.			place.
		Call a doctor.			
		Apply artificial respiration if breathing stopped.	08		PERSONAL PROTECTION
	Ingestion	Ingestion is not considered a potential route of		Personal protection	Ensure adequate ventilation.
		exposure.	09	PHYSICAL AND CHEMIC	
05	FIRE FIGHTING MEASURES		00	Molecular weight	28
05	Specific hazards	Exposure to fire may cause containers to		Melting point	-210°C.
	- F	rupture/explode.		Boiling point	-196 °C.
		Non flammable.		Critical temperature	-147°C.
	Hazardous combustion	None.		Relative density, gas	0.97 (air=1).
	products			Relative density, liquid	Not applicable
	Suitable extinguishing	All known extinguishers can be used.		Vapour Pressure 20°C	Not applicable
	media	An Kiewi exanguerere ear se deed.		Odour	No odour warning properties.
	modia	Move away from the container and cool with		Solubility mg/1 water	20 mg/1.
		water from a protected position.		Appearance/Colour	Colourless gas.
	Special protective	In confined space use self-contained		Other data	Gas/vapour lighter than air. May accumulate
					in confined spaces.
	equipment for fire fighters	breathing apparatus.			in contineu spaces.

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

General

No known ecological damage caused by this product.

13 DISPOSAL CONSIDERATIOINS

Do not discharge into any place where its

accumulation could be dangerous.

To atmosphere in a well ventilated place.

Discharge to atmosphere in large quantities

should be avoided.

Contact supplier if guidance is required.

14 TRANSPORT INFORMATION

Nitrogen, Compressed Proper shipping name UN Nr 1066 ADR Class 2 ADR/RID Classification 1A code ADR/RID Hazard Nr 20 Labelling ADR Label 2.2: non flammable non toxic gas Other transport Avoid transport on vehicles where the load information 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 required) is correctly fitted.
- valve protection device (where provided) is correctly fitted.
- there is adequate ventilation.
- compliance with applicable regulations.

15 REGULATORY INFORMATION

EC Classification Not Classified as dangerous preparation/substance. EC Labelling Symbols, No EC labelling required

R&S Phrases)

16 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 as been taken in the preparation of this document, no liability for injury or damage resulting from its use can be accepted.

This Safety Data Sheet has been established in accordance with the applicable European Directives and applies to all countries that have translated the Directives in their national laws.

The MSDS is for information purposes only and is subject to change without notice. [Prior to purchase of products, please contact Gas Container Services Limited for a complete MSDS (with Manufacturer's name and emergency phone number).]

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