



Safety Data Sheet

This safety data sheet complies with the requirements of: WHS regulation 2011

Product name Nitrogen

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product name Nitrogen
Product code 013193

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use No information available
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Tyco Fire Protection Products
Level 3, 95 Coventry Street,
Southbank, Australia-Victoria 3006
+613 9313 9711

For further information, please contact

E-mail address psra@tycofp.com

1.4. Emergency telephone number

Emergency Telephone Number 612 9037 2994 (Australia)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Gases Under Pressure	Compressed Gas - (H280)
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2.2. Label Elements

Product Identifier



hazard statements

H280 - Contains gas under pressure; may explode if heated

2.3. Other Hazards

No information available

SECTION 3: Composition/information on ingredients

3.1 Mixtures



Chemical name	CAS No	weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nitrogen	7727-37-9	90 - 100%	no data available

Full text of H- and EUH-phrases: see section 16

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).
Skin contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control centre or physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Unconsciousness.

4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

5.2. Special hazards arising from the substance or mixture

None known

Hazardous Combustion Products

Nitrogen oxides (NOx).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



Personal Precautions

Ensure adequate ventilation, especially in confined areas.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labelled containers.

6.4. Reference to other sections

See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls



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Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection Avoid contact with eyes. Tight sealing safety goggles.

Skin and Body Protection Suitable protective clothing.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Compressed Gas	Colour	Colourless
Odour	None		
odour threshold	No data available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks • Method</u>
pH		No data available
Melting point/freezing point		No data available
Boiling point / boiling range	-2 °C	
Flash Point		No data available
Evaporation Rate		No data available
flammability (solid, gas)		No data available
Flammability limit in air		
Upper flammability limit:		No data available
Lower flammability limit:		No data available
Vapour Pressure		No data available
Vapour Density		No data available
Specific gravity		No data available
Water Solubility		No data available
solubility(ies)		No data available
Partition coefficient		No data available
Autoignition Temperature		No data available
Decomposition Temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Explosive Properties	No data available	
Oxidising Properties	No data available	

Section 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

hazardous polymerisation

Hazardous polymerisation does not occur.

Possibility of hazardous reactions

None under normal processing.

**10.4. Conditions to avoid**

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x).

Section 11: Toxicological information**11.1. Information on toxicological effects****Acute Toxicity****Product information****INHALATION**

In high concentration the gas may cause a suffocation. Victim may not be aware of asphyxiation. In confined or poorly ventilated areas, vapours can readily accumulate and can cause unconsciousness and death.

Eye Contact

Contact with product may cause frostbite.

Skin contact

Contact with product may cause frostbite.

INGESTION

Not an expected route of exposure.

Skin Corrosion/Irritation

No information available.

Serious eye damage/eye irritation

No information available.

sensitisation

No information available.

Germ Cell Mutagenicity

No information available.

carcinogenicity

No information available.

Reproductive Toxicity

Lack of oxygen during pregnancy has produced developmental abnormalities in humans and experimental animals.

STOT - Single Exposure

No information available.

STOT - Repeated Exposure

No information available.

Target organ effects

Respiratory System.

Symptoms

Unconsciousness.

Aspiration Hazard

No information available.

Section 12: Ecological information**12.1. Toxicity**

**12.2. Persistence and degradability**

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: Disposal considerations**13.1. Waste treatment methods****Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Do not re-use container.

Section 14: Transport information**Note:** No information available**IMDG**

14.1 UN/ID no	UN1066
14.2 Proper Shipping Name	Nitrogen, compressed
14.3 Hazard class	2.2
14.4 Packing group	NOT REGULATED
Description	UN1066, Nitrogen, compressed, 2.2
14.5 Marine Pollutant	Not Applicable
14.6 Special Provisions	None
EmS-No	F-C, S-V
14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE	No information available

RID

14.1 UN/ID no	UN1066
14.2 Proper Shipping Name	Nitrogen, compressed
14.3 Hazard class	2.2
Labels	2.2 (+13)
14.4 Packing group	NOT REGULATED
Description	UN1066, Nitrogen, compressed, 2.2 (13)
14.5 Environmental Hazard Classification Code	Not Applicable 1A
14.6 Special Provisions	None



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ADR

14.1 UN/ID no	UN1066
14.2 Proper Shipping Name	Nitrogen, compressed
14.3 Hazard class	2.2
Labels	2.2
14.4 Packing group	NOT REGULATED
Description	UN1066, Nitrogen, compressed, 2.2, (E)
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None
Classification Code	1A
Tunnel restriction code	(E)

ICAO (air)

14.1 UN/ID no	UN1066
14.2 Proper Shipping Name	Nitrogen, compressed
14.3 Hazard class	2.2
14.4 Packing group	NOT REGULATED
Description	UN1066, Nitrogen, compressed, 2.2
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None

IATA

14.1 UN/ID no	UN1066
14.2 Proper Shipping Name	Nitrogen, compressed
14.3 Hazard class	2.2
14.4 Packing group	NOT REGULATED
Description	UN1066, Nitrogen, compressed, 2.2
14.5 Environmental Hazard	Not Applicable
14.6 Special Provisions	None
ERG Code	2L

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Australia

See section 8 for national exposure control parameters

carcinogenicity

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List



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EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

Revision date 23-Nov-2016

Revision note Not Applicable.

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End of Safety Data Sheet