

## Nitrogen

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name	Nitrogen
CAS No.	7727-37-9
EC No.	231-783-9
REACH Registration No.	Exempt

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

Identified Use(s)	Professional and industrial use and as directed by the supplier.
Uses Advised Against	Anything other than the above.

#### 1.3 Details of the supplier of the safety data sheet

Supplier	
Company Identification	Blended Products Limited
Address of Supplier	Elsham Wold Industrial Estate Brigg North Lincolnshire
Postal code	DN20 0SP
Telephone:	+44 (0) 1652 680555
E-mail	technical@blendedproducts.com

#### 1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 1652 680555 (please use 'Option 4' for 24hr chemical/stock emergency number)
Contact	See above for emergency contact details.

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Press. Gas :Contains gas under pressure; may explode if heated. Press. Gas (Comp.) :Contains gas under pressure; may explode if heated.
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#### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name	Nitrogen
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Hazard Pictogram(s)



GHS04

Signal Word(s)	Warning
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Hazard Statement(s)	H280: Contains gas under pressure; may explode if heated.
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## Nitrogen

Precautionary Statement(s) P410+P403: Protect from sunlight. Store in a well-ventilated place.

### 2.3 Other hazards

None known.

### 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
nitrogen	7727-37-9	231-783-9 Exempt	100	Press. Gas H280	GHS04

### 3.2 Mixtures

Not applicable.

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

Inhalation	Treat symptomatically.
Skin Contact	Treat symptomatically.
Eye Contact	Treat symptomatically.
Ingestion	Treat symptomatically.

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

None anticipated. Treat symptomatically.

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

Unlikely to be required but if necessary treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

### 5.2 Special hazards arising from the substance or mixture

Contains gas under pressure; may explode if heated. Explosion risk.

### 5.3 Advice for firefighters

As appropriate for surrounding fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

## Nitrogen

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact.

### 6.2 Environmental precautions

Attempt to stop release, be aware that fixtures may be very cold.

### 6.3 Methods and material for containment and cleaning up

Attempt to stop release, be aware that fixtures may be very cold.

### 6.4 Reference to other sections

See Also Section 8, 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

### 7.2 Conditions for safe storage, including any incompatibilities

Protect from sunlight. Store in a well-ventilated place.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

### 7.3 Specific end use(s)

Not known.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

### 8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation.

8.2.2. Personal protection equipment



Eye Protection

Not usually required, ensure an adequate risk assessment is carried out and any control measures are implemented.



Skin protection

Wear protective clothing and gloves as required: fixtures may become very cold.



Respiratory protection

Ensure adequate ventilation.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Attempt to stop release into the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

## Nitrogen

### 9.1 Information on basic physical and chemical properties

Appearance	Gas.
	Colour : Colourless
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not applicable.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

None anticipated.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

Keep away from heat and direct sunlight.

### 10.5 Incompatible materials

Not known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

## Nitrogen

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified.
Serious eye damage/irritation	Not classified.
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

### 11.2 Other information

Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

### 12.2 Persistence and Degradation

Not known.

### 12.3 Bioaccumulative potential

Not known.

### 12.4 Mobility in soil

Not known.

### 12.5 Results of PBT and vPvB assessment

Not known.

### 12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose at suitable refuse site.

### 13.2 Additional information

Disposal should be in accordance with local, state or national legislation.

## Nitrogen

### SECTION 14: TRANSPORT INFORMATION

#### 14.1 UN number

UN No. 1066

#### 14.2 UN proper shipping name

UN proper shipping name NITROGEN, COMPRESSED

#### 14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 2  
 ADR Classification Code 1A  
 Special Provisions 378 653 660 662  
 Limited Quantities 120 ml  
 Excepted Quantities E1  
 Emergency Action Code 2T  
 Mixed Packing Instructions for Packages P200  
 Special Packing Provisions for Packages  
 Mixed Packing Instructions for Packages MP9  
 Packing Instructions for Portable Tanks (M)  
 Special Provisions for Portable Tanks  
 Tank Code for Tanks CxBN(M)  
 Special Provisions for Tanks TA4 TT9  
 Vehicle for Tank Carriage AT  
 ADR Transport Category 3  
 Tunnel Restriction Code E

Special Provisions for Carriage -  
 Packages

Special Provisions for Carriage - Bulk

Special Provisions for Carriage - Loading, CV9 CV10 CV36

Unloading and Handling

Special Provisions for Carriage -  
 Operation

ADR HIN 20

IMDG

IMDG Class 2.2  
 Special Provisions 378 653 660 662  
 Limited Quantities 120 ml  
 Excepted Quantities E1

Mixed Packing Instructions for Packages P200

Special Packing Provisions for Packages

Packing Instructions for Portable Tanks (M)

Special Provisions for Portable Tanks

IMDG EMS F-C, S-V

Stowage and Handling Category A

Segregation

Marine Pollutant

## Nitrogen

### ICAO/IATA

IATA Proper Shipping Name	NITROGEN, COMPRESSED
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited	Forbidden for transport by air.
Quantities Packing Instructions	
Passenger and Cargo Aircraft Limited	Forbidden for transport by air.
Quantities Max net Qty	
Passenger and Cargo Aircraft Packing	200
Instructions	
Passenger and Cargo Aircraft Max net Qty	75Kg
Cargo Aircraft Packing Instructions	200
Cargo Aircraft Max net Qty	150Kg
Special Provisions	A69, A202
Emergency Response Guidebook (ERG)	2L
Code	
Labels	
Labels	2.2



### 14.4 Packing group

Packing group

### 14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

### 14.6 Special precautions for user

Special precautions for user Not known.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Bulk transport by sea is not anticipated.

## SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Not listed

Community Rolling Action Plan (CoRAP) Not listed

Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

## Nitrogen

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

### National regulations

Other Not known.

### 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### LEGEND

Hazard Pictogram(s)



GHS04

Hazard classification

Press. Gas : Gases under pressure  
Press. Gas Com. : Gases under pressure, Compressed gas

Hazard Statement(s)

H280: Contains gas under pressure; may explode if heated.

Precautionary Statement(s)

P410+P403: Protect from sunlight. Store in a well-ventilated place.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS : Chemical Abstracts Service  
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
IATA : International Air Transport Association  
IBC : Intermediate Bulk Container  
ICAO : International Civil Aviation Organization  
IMDG : International Maritime Dangerous Goods  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration



## Nitrogen

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

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