

**Warning**



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

#### 1.1. Product identifier

Trade name : Nitrogen  
SDS no : N2N45MB  
Chemical description : N2N45MB  
CAS-No. : ---  
EC-No. : ---  
EC Index-No. : ---

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

Relevant identified uses : No additional information available  
Uses advised against : Do not inhale product on purpose because of the risk of asphyxiation.

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

Company identification : Gasco  
320 Scarlet Blvd, Oldsmar, Florida  
34677, United States of America  
www.gascogas.com

#### 1.4. Emergency telephone number

Emergency telephone number : 1-703-527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Physical hazards : Gases under pressure : Compressed gas H280

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS04

Signal word (CLP) : Warning

Hazard statements (CLP) : H280 - Contains gas under pressure; may explode if heated.

Precautionary statements (CLP)

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

**2.3. Other hazards**

: No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Nitrogen	(CAS-No.) 7727-37-9 (EC-No.) 231-783-9 (EC Index-No.) --- (Registration-No.) *1	100	Press. Gas (Comp.), H280

Contains no other components or impurities which will influence the classification of the product.

\*1: Listed in Annex IV / V REACH, exempted from registration.

\*2: Registration deadline not expired.

\*3: Registration not required: Substance manufactured or imported < 1t/y.

**3.2. Mixtures** : Not applicable**SECTION 4: First aid measures****4.1. Description of first aid measures**

- Inhalation : Assure fresh air breathing.  
Allow the victim to rest.
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- Eye contact : Rinse immediately with plenty of water.  
Obtain medical attention if pain, blinking or redness persists.
- Ingestion : Rinse mouth.  
Do NOT induce vomiting.  
Obtain emergency medical attention.

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

No additional information available

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

No additional information available

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

- Suitable extinguishing media : Foam.  
Dry powder.  
Carbon dioxide.  
Water spray.  
Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

**5.2. Special hazards arising from the substance or mixture**

Specific hazards : None.

### **5.3. Advice for firefighters**

No additional information available

## **SECTION 6: Accidental release measures**

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

- : Isolate from fire, if possible, without unnecessary risk.
- Evacuate area.
- Use protective clothing.
- Ensure adequate air ventilation.
- Ventilate area.
- Oxygen detectors should be used when asphyxiating gases may be released.

### **6.2. Environmental precautions**

- : Prevent entry to sewers and public waters.
- Notify authorities if liquid enters sewers or public waters.

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

- : Ventilate area.

### **6.4. Reference to other sections**

- : See Heading 8.
- Exposure controls and personal protection.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

- |                                     |  |
|-------------------------------------|--|
| Safe use of the product             | : Only experienced and properly instructed persons should handle gases under pressure.<br>Do not smoke while handling product.<br>Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.<br>Do not breathe gas.  |
| Safe handling of the gas receptacle | : Close container valve after each use and when empty, even if still connected to equipment.<br>Damaged valves should be reported immediately to the supplier.<br>Do not remove or deface labels provided by the supplier for the identification of the cylinder contents.<br>If user experiences any difficulty operating cylinder valve discontinue use and contact supplier.<br>Keep container valve outlets clean and free from contaminants particularly oil and water.<br>Leave valve protection caps in place until the container has been secured against either a wall or bench or placed in a container stand and is ready for use.<br>Never attempt to repair or modify container valves or safety relief devices.<br>Never attempt to transfer gases from one cylinder/container to another.<br>Never use direct flame or electrical heating devices to raise the pressure of a container.<br>Open valve slowly to avoid pressure shock.<br>Protect cylinders from physical damage; do not drag, roll, slide or drop.<br>Refer to supplier's container handling instructions.<br>Replace valve outlet caps or plugs and container caps where supplied as soon as container is disconnected from equipment.<br>Suck back of water into the container must be prevented. |

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

- : Observe all regulations and local requirements regarding storage of containers. Container valve guards or caps should be in place.
- Containers should be stored in the vertical position and properly secured to prevent them from falling over.
- Stored containers should be periodically checked for general condition and leakage.
- Store containers in location free from fire risk and away from sources of heat and ignition.

### **7.3. Specific end use(s)**

No additional information available

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

### **8.2. Exposure controls**

#### **8.2.1. Appropriate engineering controls**

: No additional information available

#### **8.2.2. Individual protection measures, e.g. personal protective equipment**

: No additional information available

• Eye/face protection : Chemical goggles or safety glasses.

• Skin protection

- Hand protection : Wear protective gloves.

- Other : Do not eat, drink or smoke during use.

• Respiratory protection : Wear appropriate mask.

• Thermal hazards : No additional information available

#### **8.2.3. Environmental exposure controls**

: No additional information available

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Appearance

• Physical state at 20°C / 101.3kPa : Gas

• Colour : Colourless

Odour : characteristic

Odour threshold :

Flammability (solid, gas) : Non flammable

Explosive limits :

### **9.2. Other information**

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

- 10.2. **Chemical stability** : None.
- 10.3. **Possibility of hazardous reactions** : Not established.
- 10.4. **Conditions to avoid** : Direct sunlight.  
Extremely high or low temperatures.
- 10.5. **Incompatible materials** : Strong acids.  
Strong bases.
- 10.6. **Hazardous decomposition products** : fume.  
Carbon monoxide.  
Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- Acute toxicity : No additional information available
- Skin corrosion/irritation : No additional information available
- Serious eye damage/irritation : No additional information available
- Respiratory or skin sensitisation : No additional information available
- Germ cell mutagenicity : No additional information available
- Carcinogenicity : No additional information available
- Toxic for reproduction : Fertility : No additional information available
- Toxic for reproduction : unborn child : No additional information available
- STOT-single exposure : No additional information available
- STOT-repeated exposure : No additional information available
- Aspiration hazard : No additional information available
- Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

### 12.1. Toxicity

- EC50 48h - Daphnia magna [mg/l] : No data available.
- EC50 72h - Algae [mg/l] : No data available.
- LC50 96 h - Fish [mg/l] : No data available.

#### Nitrogen (7727-37-9)

EC50 48h - Daphnia magna [mg/l]	No data available.
EC50 72h - Algae [mg/l]	No data available.
LC50 96 h - Fish [mg/l]	No data available.

### 12.2. Persistence and degradability

- Assessment : Not established.

### 12.3. Bioaccumulative potential

- Assessment : Not established.

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Effect on the ozone layer : No additional information available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

List of hazardous waste codes (from Commission Decision 2001/118/EC) : No additional information available

**13.2. Additional information**

: No additional information available

**SECTION 14: Transport information****14.1. UN number**

UN-No. : 1066

**14.2. UN proper shipping name**

Transport by road/rail (ADR/RID) : NITROGEN, COMPRESSED

Transport by air (ICAO-TI / IATA-DGR) : Nitrogen, compressed

Transport by sea (IMDG) : NITROGEN, COMPRESSED

**14.3. Transport hazard class(es)****Labelling**

2.2 : Non-flammable, non-toxic gases.

**Transport by road/rail (ADR/RID)**

Class : 2

Classification code : 1A

Hazard identification number : 20

Tunnel Restriction : E - Passage forbidden through tunnels of category E

**Transport by air (ICAO-TI / IATA-DGR)**

Class / Div. (Sub. risk(s)) : 2.2

**Transport by sea (IMDG)**

Class / Div. (Sub. risk(s)) : 2.2

Emergency Schedule (EmS) - Fire : F-C

Emergency Schedule (EmS) - Spillage : S-V

**14.4. Packing group**

Transport by road/rail (ADR/RID) : Not applicable

Transport by air (ICAO-TI / IATA-DGR) : Not applicable

Transport by sea (IMDG) : Not applicable

**14.5. Environmental hazards**



N2N45MB

SDS Ref.: N2N45MB

Transport by road/rail (ADR/RID) : None.

Transport by air (ICAO-TI / IATA-DGR) : None.

Transport by sea (IMDG) : None.

#### **14.6. Special precautions for user**

##### **Packing Instruction(s)**

Transport by road/rail (ADR/RID) : P200

Transport by air (ICAO-TI / IATA-DGR)

Passenger and Cargo Aircraft : 200.

Cargo Aircraft only : 200.

Transport by sea (IMDG) : P200

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

: Not applicable.

### **SECTION 15: Regulatory information**

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

##### **EU-Regulations**

No additional information available

##### **National regulations**

Water hazard class (WGK) :

#### **15.2. Chemical safety assessment**

: No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Further information : None.

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