

**Danger**



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

#### 1.1. Product identifier

Trade name : 8% n-butane, 14% carbon dioxide / nitrogen  
SDS no : 20DA2GASN-00008MB

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

Relevant identified uses : No additional information available

#### 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

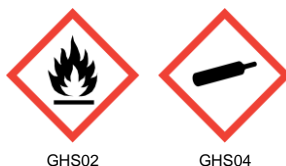
Emergency telephone number : 1-703-527-3887

### SECTION 2: Hazards identification

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

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H220 - Extremely flammable gas.  
H280 - Contains gas under pressure; may explode if heated.

Precautionary statements (CLP)

- Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Response : P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.  
P381 - In case of leakage, eliminate all ignition sources.
- Storage : P403 - Store in a well-ventilated place.  
P410+P403 - Protect from sunlight. Store in a well-ventilated place.

##### Labelling according to Directive 67/548/EEC or 1999/45/EC

No labelling applicable

**2.3. Other hazards**

: No additional information available

**SECTION 3: Composition/information on ingredients****3.1. Substances** : Not applicable**3.2. Mixtures**

| Name           | Product identifier   | %  | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|----------------|--|----|---|
| Nitrogen       | (CAS-No.) 7727-37-9<br>(EC-No.) 231-783-9<br>(EC Index-No.)<br>(REACH-no) *1                           | 78 | Press. Gas (Comp.), H280  |
| Carbon dioxide | (CAS-No.) 124-38-9<br>(EC-No.) 204-696-9<br>(EC Index-No.)<br>(REACH-no) *1                            | 14 | Press. Gas (Liq.), H280   |
| Butane n-      | (CAS-No.) 106-97-8<br>(EC-No.) 203-448-7<br>(EC Index-No.) 601-004-00-0<br>(REACH-no) 01-2119474691-32 | 8  | Flam. Gas 1, H220<br>Press. Gas (Liq.), H280                    |

Full text of R- and H-statements: see section 16

*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 &lt; 1t/y.

**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**

No additional information available

**5.3. Advice for firefighters**

No additional information available

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

- : Remove ignition sources.  
Use special care to avoid static electric charges.  
Eliminate every possible source of ignition.  
No open flames. No smoking.

**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**

No additional information available

**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**

No additional information available

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

No additional information available

**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) : Extremely flammable gas

Explosive limits :

### **9.2. Other information**

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

### **10.1. Reactivity**

: No additional information available

### **10.2. Chemical stability**

: Extremely flammable gas.

### **10.3. Possibility of hazardous reactions**

: Not established.

### **10.4. Conditions to avoid**

: Direct sunlight.  
Extremely high or low temperatures.  
Open flame.  
Overheating.  
Heat.  
Sparks.

### **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****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.

**Butane n- (106-97-8)**

|                                 |           |
|---------------------------------|-----------|
| EC50 48h - Daphnia magna [mg/l] | 14.2 mg/l |
| EC50 72h - Algae [mg/l]         | 7.7 mg/l  |
| LC50 96 h - Fish [mg/l]         | 24.1 mg/l |

**Carbon dioxide (124-38-9)**

|                                 |                    |
|---------------------------------|--------------------|
| 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. |

**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  
Effect on global warming : Contains greenhouse gas(es).

**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**

: Handle empty containers with care because residual vapours are flammable.

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

UN-No. : 1950

**14.2. UN proper shipping name**

|                                       |                       |
|---------------------------------------|-----------------------|
| Transport by road/rail (ADR/RID)      | : AEROSOLS            |
| Transport by air (ICAO-TI / IATA-DGR) | : Aerosols, flammable |
| Transport by sea (IMDG)               | : AEROSOLS            |

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

2.1 : Flammable gases.

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

|                     |   |
|---------------------|---|
| Class               | : 2   |
| Classification code | : 5F  |
| Tunnel Restriction  | : D - Passage forbidden through tunnels of category D and E |

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

Class / Div. (Sub. risk(s)) : 2.1

**Transport by sea (IMDG)**

|                                     |       |
|-------------------------------------|-------|
| Class / Div. (Sub. risk(s))         | : 2.1 |
| Emergency Schedule (EmS) - Fire     | : F-D |
| Emergency Schedule (EmS) - Spillage | : S-U |

**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**

|                                       |         |
|---------------------------------------|---------|
| 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)      | : P207.<br>LP02 |
| Transport by air (ICAO-TI / IATA-DGR) |                 |
| Passenger and Cargo Aircraft          | : 203.          |
| Cargo Aircraft only                   | : 203.          |
| Transport by sea (IMDG)               | : P207.<br>LP02 |

**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.

Full text of H- and EUH-statements

|                    |  |
|--------------------|--|
| Flam. Gas 1        | Flammable gases, Category 1                        |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas              |
| Press. Gas (Liq.)  | Gases under pressure : Liquefied gas               |
| H220               | Extremely flammable gas                            |
| H280               | Contains gas under pressure; may explode if heated |