

## Section 1. Product and Company Identification.

**1.1 Model Number;** DH31 v1  
**1.2 Description;** Baridi Under Counter Wine/Drink/Beverage Cooler/Fridge, Built-In Thermostat, LED Light, Security Lock, Energy Class A+, 80 Litre - Stainless Steel/Black Refrigerant gas.

**1.3 Manufacturer;**

Sealey Group.  
 Kempson Way,  
 Bury St. Edmunds,  
 Suffolk.  
 IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** April 2011

## Section 2. Hazards Identification.

No data available

## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Volume	Classification	
			Hazard Class & Category Code	Hazard Statements <sup>1</sup>
Isobutane	75-28-5	99 – 99.9 %	Flam. Gas 1 Press. Gas	H220

<sup>1</sup>For full text of Phrases and Statements, see Section 16.

## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Immediately remove person to fresh air.  
Seek medical attention.

#### Skin Contact

Flush area with cold water.  
If irritation persists, seek medical attention.

#### Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If irritation persists, seek medical attention.

#### Ingestion

Not a primary route of exposure.  
Seek medical attention.

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

No data available

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

No data available

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Water. Carbon Dioxide. Dry Chemical.

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

No data available

### 5.3. Advice for fire-fighters

If fire is extinguished and flow of gas is continues, increase ventilation to prevent a build up of a flammable / explosive atmosphere.  
Extinguish sources of ignition.

## Section 6. Accidental Release Measures.

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

Evacuate area.

Ventilate area.

Prevent / remove sources of ignition.

### 6.2. Environmental precautions

No data available

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

No data available

### 6.4. Reference to other sections

See Section 7 for information on Safe Handling

See Section 8 for information of Personal Protective Equipment.

See Section 13 for information on disposal.

## Section 7. Handling and Storage.

### 7.1. Precautions for safe handling

No data available

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

Store in cool, dry, well-ventilated area.

Do not allow temperature to exceed 54 °C.

Full and empty containers should be separated.

### 7.3. Specific end use(s)

Intended for use as the refrigerant gas for the Model Number identified in 1.1 with Description stated in 1.2.

## Section 8. Exposure Controls/Personal Protection.

### 8.1. Control parameters

No data available

### 8.2. Exposure controls

#### Appropriate Engineering Controls

Safety shoes to be worn.

#### Eye/Face Protection

Safety goggles that meet specification EN 166

#### Skin Protection

Protective gloves made from rubber.

#### Respiratory Protection

Use local exhaust to prevent gas accumulating.

Ventilate area.

## Section 9. Physical and Chemical Properties.

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

**The following information is not a technical specification or sales specification.**

(a) Appearance:	Colourless.
(b) Odour:	Odourless.
(c) Odour threshold;	Not relevant.
(d) pH:	Not relevant.
(e) Melting point;	-159.6 °C
(f) Boiling point;	-11.7 °C
(g) Flash point;	-83 °C
(h) Evaporation rate;	Not relevant.
(i) Flammability (solid, gas);	Flammable.
(j) Upper/lower flammability or explosive limits;	Upper, 8.4 % Lower, 1.8 %
(k) Vapour pressure;	45 psia at 21 °C
(l) Vapour density;	2.06 (air = 1)
(m) Relative density;	Not relevant.
(n) Solubility(ies);	Slightly soluble in water.
(o) Partition coefficient: n-octanol/water;	Not relevant.
(p) Auto-ignition temperature;	420 °C
(q) Decomposition temperature;	Not relevant.
(r) Viscosity;	Not relevant.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	Not relevant.

**9.2 Other information** No data available

## Section 10. Stability and Reactivity.

<b>10.1.</b> Reactivity	No data available.
<b>10.2.</b> Chemical stability	Stable.
<b>10.3.</b> Possibility of hazardous reactions	No data available.
<b>10.4.</b> Conditions to avoid	Avoid high temperatures.
<b>10.5.</b> Incompatible materials	Oxidisers.
<b>10.6.</b> Hazardous decomposition products	Carbon Monoxide. Carbon Dioxide.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

No data available.

## Section 12. Ecological Information.

12.1. Toxicity	No data available
12.2. Persistence and degradability	No data available
12.3. Bioaccumulative potential	No data available
12.4. Mobility in soil	No data available
12.5. Results of PBT and vPvB assessment	No data available
12.6. Other adverse effects	No data available

## Section 13. Disposal Considerations.

### 13.1. Waste treatment methods

IMPORTANT: Risk of explosion.

Return in the shipping container properly labelled, with any valve outlet, plugs or gaps secured and valve protection cap in place to **Advanced Gas Technologies** for proper handling.

Refer to EIGA\* Disposal of Gasses

\* European Industrial Gases Association.

## Section 14. Transport Information.

### ADR. International Carriage of Dangerous Goods by Road.

<b>14.1.</b> UN number	UN 3358
<b>14.2.</b> Name and Description	Refrigerating machines containing flammable, non-toxic, liquefied gas
<b>14.3.</b> Class	2
<b>14.4.</b> Packing group	-
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.

#### Special Provision 291

Refrigerating machines and refrigerating machine components are not subject to the requirements of ADR if they contain less than 12 kg of gas.

### IATA. International Air Transport Association.

<b>14.1.</b> UN number	UN 3358
<b>14.2.</b> UN Proper Shipping Name/Description	Refrigerating machines containing flammable, non-toxic, liquefied gas
<b>14.3.</b> Class or Division	2.1
<b>14.4.</b> Packing group	-
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.

#### Special Provision A103

Refrigerating machines and refrigerating machine components are considered not subject to these Regulations if containing less than 100 g of flammable, non-toxic, liquefied gas.

### IMDG. International Maritime Dangerous Goods.

<b>14.1.</b> UN number	UN 3358
<b>14.2.</b> UN proper shipping name	Refrigerating machines containing flammable, non-toxic, liquefied gas
<b>14.3.</b> Class	2.1
<b>14.4.</b> Packing group	-
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.
<b>14.7.</b> Transport in bulk – Maritime only.	Bulk transport is not applicable to this product

#### Special Provision 291

Refrigerating machines and refrigerating machine components are not subject to the provisions of this Code if they contain less than 12 kg of gas.



**Section 15. Regulatory Information.**

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture  
No data available

**15.2.** Chemical safety assessment  
No data available

**Section 16. Additional Information.**

Full text of Phrases and Statements used in Section 3;

H220 Extremely flammable gas.

The above information is believed to be accurate and represents the best information currently available.

No warranty is expressed or implied by the above information.

We assume no liability resulting from use of the above information.

The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	01/04/20	First issue.

End of Safety Data Sheet.