

Section 1. Product and Company Identification.

1.1 Model Number; DH222 v1
1.2 Description; 70L Under Counter Drinks/Beer & Wine Cooler Fridge, Retro Style, Black Refrigerant R-600a

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; 03/01/2023.

Section 2. Hazards Identification.

No applicable to Model Number stated in 1.1 with Description stated in 1.2.

Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Volume	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Isobutane	75-28-5	100 %	Flam. Gas	H220

¹For full text of Statements, see Section 16.

Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation

Remove from exposure.

Keep patient warm and at rest.

Skin Contact

Rapid evaporation of liquid may cause frostbite. Take off all contaminated clothing immediately if not stuck to the skin. Flush area with lukewarm water. Do not use hot water. If frostbite has occurred seek medical attention.

Eye Contact

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

If irritation persists, seek medical attention.

Ingestion

Unlikely route of exposure.

Product is a gas, refer to Inhalation.

If conscious, drink plenty of water.

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 spray, foam, dry powder, carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Reacts violently in contact with oxidants.

Vapour is heavier than air, can spread to and accumulate in lower areas.

5.3. Advice for fire-fighters

Vapours are heavier than air. Will cause suffocation.

Vapours may travel away from area before igniting / flashing back to ignition source.

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

Vapours are heavier than air. Will cause suffocation.

Vapours may travel away from area before igniting / flashing back to ignition source.

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

Not applicable to Model Number identified in 1.1 with Description stated in 1.2

7.2. Conditions for safe storage, including any incompatibilities

Do not allow temperature to exceed 30 °C.

7.3. Specific end use(s)

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

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

Not required for Model Number identified in 1.1 with Description stated in 1.2. during normal use.

In case of leaking refrigerant gas;

Use local exhaust to prevent gas accumulating.

Ventilate area.

See Section 6 Accidental Release measures

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 gas.
(b) Odour:	Odourless.
(c) Odour threshold;	No data available.
(d) pH:	Not applicable, product is a gas.
(e) Melting point;	-159.6 °C
(f) Initial boiling point;	-11.8 °C
(g) Flash point;	-82.8 °C
(h) Evaporation rate;	Not applicable, product is a gas.
(i) Flammability (gas);	
(j) Lower flammability limit	No data available.
Upper flammability limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	Specific Gravity not applicable.
(n) Solubility(ies);	No data available.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	Not applicable, product is a gas.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information None.

Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable under normal conditions. Will decompose at 435 °C.
10.3. Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4. Conditions to avoid	Heat. Sources of ignition.
10.5. Incompatible materials	No data available.
10.6. Hazardous decomposition products	Carbon Dioxide. Carbon Monoxide.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No data available.



Section 12. Ecological Information.

12.1. Toxicity

No data available.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.

Section 14. Transport Information.

ADR. International Carriage of Dangerous Goods by Road.

14.1. UN number	UN 3358
14.2. Name and Description	Refrigerating machines containing flammable, non-toxic, liquefied gas
14.3. Class	2
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. 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.

14.1. UN number	UN 3358
14.2. UN Proper Shipping Name/Description	Refrigerating machines containing flammable, non-toxic, liquefied gas
14.3. Class or Division	2.1
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. 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.

14.1. UN number	UN 3358
14.2. UN proper shipping name	Refrigerating machines containing flammable, non-toxic, liquefied gas
14.3. Class	2.1
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.
14.7. 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	11/10/23	First issue.

End of Safety Data Sheet.