



## Section 1. Product and Company Identification.

**1.1 Model Number;** SAC12000 v1  
**1.2 Description;** Air Conditioner/Dehumidifier/Heater 12,000Btu/hr  
 Refrigerant: 550g

**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;** 25 May 2006

## Section 2. Hazards Identification.

Gas is hermetically sealed and does not present a hazard under normal conditions of use.  
 Inappropriate handling and / or use can cause gas to leak.

**Inhalation:** Inhalation of vapour is harmful and can cause unconsciousness.

## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Volume	Classification	
			Hazard Class & Category Code	Hazard Statements
Difluoromethane	75-10-5	50%	Not classified	-
Pentafluoroethane	354-33-6	50%	Not classified	-

For full text of Phrases and Statements, see Section 16.



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

If inhaled, immediately remove person to fresh air.  
If breathing problems persist, call a physician.

#### Skin Contact

Flush area with lukewarm water.  
If frostbite has occurred, call a physician.

#### Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.  
If problems persist, call a physician.

#### Ingestion

Not a primary route of exposure.

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

No information available.

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

No information available.

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Water spray, water fog, dry chemical, alcohol foam, carbon dioxide.

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

Toxic gases or particles may be formed during combustion.

Hazardous decomposition products include: Carbon dioxide, carbon monoxide, hydrogen fluoride.

These products may cause severe eye, nose, throat and lung irritation or toxic effects.

### 5.3. Advice for fire-fighters

No information available.



## Section 6. Accidental Release Measures.

**6.1.** Personal precautions, protective equipment and emergency procedures  
See section 8 for personal protective equipment.

**6.2.** Environmental precautions  
No information available.

**6.3.** Methods and material for containment and cleaning up  
No information 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  
Avoid contact with refrigerant.

**7.2.** Conditions for safe storage, including any incompatibilities  
No information available.

**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  
In the event of leakage:  
Ventilate the area.

**8.2.** Exposure controls  
The use of Personal Protective Equipment (PPE) is not necessary under conditions of normal use.  
In case of leakage, ensure that the following Personal Protective Equipment (PPE) is used.

**Eye/Face Protection**  
Chemical grade full face shield

**Skin Protection**  
Nitrile gloves.  
Appropriate Personal Protection with long sleeves and long trousers.

**Respiratory Protection**  
Self-contained breathing apparatus.



## 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:	Liquefied gas - Colourless.
(b) Odour:	Faint ether-like odour.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	No information available.
(f) Initial boiling point and boiling range;	- 52.8
(g) Flash point;	No information available.
(h) Evaporation rate;	No information available.
(i) Flammability (solid, gas);	No information available.
(j) Upper/lower flammability or explosive limits;	No information available.
(k) Vapour pressure;	1.65 MPa at 25°C
(l) Vapour density;	2.5 (air = 1)
(m) Relative density;	No information available.
(n) Solubility (ies);	0.56/100g (water) @25°C
(o) Partition coefficient: n-octanol/water;	No information available.
(p) Auto-ignition temperature;	No information available.
(q) Decomposition temperature;	No information available.
(r) Viscosity;	No information available.
(s) Explosive properties;	No information available.
(t) Oxidising properties.	No information available.

9.2 Other information No information available.

## Section 10. Stability and Reactivity.

10.1. Reactivity	No information available.
10.2. Chemical stability	Stable at room temperature.
10.3. Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4. Conditions to avoid	The product is unstable at high temperatures.
10.5. Incompatible materials	Alkali or earth metals, finely powdered metals (aluminium, magnesium, zinc) and alloys containing more than 2% magnesium.
10.6. Hazardous decomposition products	Toxic gases or particles may be formed during combustion. Hazardous decomposition products include: Carbon dioxide, carbon monoxide, hydrogen fluoride. These products may cause severe eye, nose, throat and lung irritation or toxic effects.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

No information available.



## Section 12. Ecological Information.

12.1. Toxicity	No information available.
12.2. Persistence and degradability	No information available.
12.3. Bioaccumulative potential	No information available.
12.4. Mobility in soil	No information available.
12.5. Results of PBT and vPvB assessment	No information available.
12.6. Other adverse effects	No information 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 3363
14.2. Name and Description	Dangerous goods in apparatus
Not subject to ADR	

### IATA. International Air Transport Association.

14.1. UN number	UN 3363
14.2. UN Proper Shipping Name/Description	Dangerous goods in apparatus
14.3. Class	9
14.4. Packing group	-
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

### IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 3363
14.2. UN proper shipping name	Dangerous goods in apparatus
14.3. Class	9
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



## Section 15. Regulatory Information.

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

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

## Section 16. Additional Information.

Full text of Phrases and Statements used in Section 3;

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	22/12/16	First issue.

End of Safety Data Sheet.