



## Section 1. Product and Company Identification.

**1.1 Model Number;** SDH50 v2  
**1.2 Description;** Industrial Dehumidifier 50ltr  
 Refrigerant: 330 grams

**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)

## 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 <sup>1</sup>
Norflurane	811-97-2	52%	Not classified	-
Pentaluoroethane	354-33-6	25%	Not classified	-
Difluoromethane	75-10-5	23%	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

As appropriate for combustibles in area.

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

No information available.

### 5.3. Advice for fire-fighters

No information available.

## Section 6. Accidental Release Measures.

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

Ventilate area, especially low or enclosed places where heavy vapours might collect. Use self-contained breathing apparatus for large spills or releases.

### 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 breathing vapour.

Avoid liquid contact with eyes and skin.

Contact with chlorine or other strong oxidizing agents should also be avoided.

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

Store in a clean, dry area.

Do not heat above 52°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

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:	Slight ethereal.
(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;	No information available.
(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;	171.8 psia @ 25°C (77°F)
(l) Vapour density;	No information available.
(m) Relative density;	1.136 @ 25°C (77°F)
(n) Solubility (ies);	Not determined.
(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 under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerisation will not occur.
10.4. Conditions to avoid	No information available.
10.5. Incompatible materials	Incompatible with active metals, alkali or alkaline earth metals.
10.6. Hazardous decomposition products	Hydrochloric and hydrofluoric acids and possibly carbonyl halides.

## 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.

Dispose of in accordance with local authority regulations.

## Section 14. Transport Information.

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

<b>14.1.</b> UN number	UN 2857
<b>14.2.</b> Name and Description	Refrigerating machines containing non-flammable, non-toxic gases or ammonia solutions

#### Special Provision 119

Refrigerating machines include machines or other appliances which have been designed for the specific purpose of keeping food or other items at a low temperature in an internal compartment, and air conditioning units.

Refrigerating machines and refrigerating machine components are not subject to the provisions of ADR if they contain less than 12 kg of gas in Class 2, group A or O according to 2.2.2.1.3, or if they contain less than 12 litres ammonia solution (UN No.2672).

### IATA. International Air Transport Association.

<b>14.1.</b> UN number	UN 2857
<b>14.2.</b> UN Proper Shipping Name/Description	Refrigerating machines containing non-flammable, non-toxic, liquefied gas or ammonia solutions

#### Special Provision A26 (119).

Refrigerating machines include air conditioning units and machines or other appliances which have been designed for the specific purpose of keeping food or other items at low temperature in an internal compartment. Refrigerating machines and refrigerating machine components are considered not subject to these Regulations if containing less than 12 kg of gas in Division 2.2 or if containing less than 12 L ammonia solution (UN 2672).

### IMDG. International Maritime Dangerous Goods.

<b>14.1.</b> UN number	UN 2857
<b>14.2.</b> UN proper shipping name	Refrigerating machines containing non-flammable, non-toxic gases or ammonia solutions

#### Special Provision 119.

Refrigerating machines and refrigerating-machinery components including machines or other appliances which have been designed for the specific purpose of keeping food or other items at a low temperature in an internal compartment, and air-conditioning units. Refrigerating machines and refrigerating-machine components are not subject to the provisions of this Code if they contain less than 12 kg of gas in class 2.2 or less than 12 L of ammonia solution (UN 2672).



**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	04/06/18	First issue.

End of Safety Data Sheet.