



## Section 1. Product and Company Identification.

**1.1 Model Number;** SDH20 v4  
**1.2 Description;** Dehumidifier 20ltr  
 Refrigerant R134a. 220 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)

**Date of source compilation;** 20 February 2012

## Section 2. Hazards Identification.

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

No information available.

**Risk phrases;**

R58: May cause long-term adverse effects in the environment.

**2.2 Label elements.**

No labelling elements required.

**Signal Word.** Warning

**Hazard statements;**

H280: Contains gas under pressure; may explode if heated.

**Precautionary statements;**

P410+P403: Protect from sunlight. Store in a well-ventilated.

**2.3 Other hazards.**

No information available.

## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements
1,1,1,2-tetrafluoroethane	-	99.9%	-	-

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



## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Remove from exposure, move to fresh air, and lie down. Keep patient warm and at rest. Artificial respiration and/or oxygen may be necessary. Consult a physician.

#### 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 call a physician.

#### Eye Contact

Rapid evaporation of liquid in contact with the eye will damage it. Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### Ingestion

This is not considered a potential 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

This product is not flammable. (ASHRAE 34) All extinguishing agents are suitable. Use measures that are appropriate to local and surrounding environment. Cool cylinders/tanks with water spray.

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

Pressure build-up in cylinders/tanks.

Hazardous thermal decomposition products: carbon oxides, hydrogen fluoride, carbonyl fluoride.

### 5.3. Advice for fire-fighters

In the event of fire wear self-contained breathing apparatus.

Wear neoprene gloves during cleaning work after a fire.



## Section 6. Accidental Release Measures.

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

Evacuate personnel to safe areas.

Ventilate the area.

### 6.2. Environmental precautions

Should not be released into the atmosphere.

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

Material evaporates.

### 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

*Advice on handling:*

Avoid breathing vapours or mist.

Avoid liquid contact with skin and clothing.

Provide sufficient air exchange and/or exhaust in work rooms.

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

**Storage conditions:** Keep valves tightly closed.

Store in cool, dry well ventilated place.

Temperature not to exceed 45°C.

**Suitable packaging:** Store in original cylinder only.

Protect from contamination.

### 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

#### Hazardous ingredients:

1, 1, 1, 2-Tetrafluoroethane (HFC134a)

Workplace exposure limits

State	8 hour TWA	15 min. STEL
UK	1000 ppm (4240 mg/m <sup>3</sup> )	-



**Section 8. Exposure Controls/Personal Protection, continued.**

**8.2. Exposure controls**

**Appropriate Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Eye/Face Protection**

Safety glasses with side shields. Wear a face shield in addition where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

**Skin Protection**

Wear clothing that covers legs and arms.

Heat insulating gloves

**Respiratory Protection**

For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing.

**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:	Clear colourless liquid and vapour.
(b) Odour:	Slight, ether like.
(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;	-26.2°C
(g) Flash point;	Non-flammable.
(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;	4.909 Bar (4909 hPa) at 21°C
(l) Vapour density;	5.368 kg/m <sup>3</sup> at 21°C
(m) Relative density;	3.5 (Air =1)
(n) Solubility (ies);	No information available.
(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.

<b>10.1.</b> Reactivity	Stable under recommended storage and transport conditions.
<b>10.2.</b> Chemical stability	Stable under normal conditions.
<b>10.3.</b> Possibility of hazardous reactions	Hazardous reactions will not occur under recommended storage and transport conditions. May react with aluminium.
<b>10.4.</b> Conditions to avoid	Heat, hot surfaces, flames.
<b>10.5.</b> Incompatible materials	Alkali metals, alkaline earth metals, powdered metals, powdered metal salts.
<b>10.6.</b> Hazardous decomposition products	Thermal decomposition yields toxic products which can be corrosive in the presence of moisture.

## 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

Product must be disposed of in accordance with local authority regulations.



## Section 14. Transport Information.

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

- 14.1.** UN number UN 2857  
**14.2.** 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.

- 14.1.** UN number UN 2857  
**14.2.** 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.

- 14.1.** UN number UN 2857  
**14.2.** 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	19/02/18	First issue.
2	20/03/18	Section 1.2
3	04/06/18	Section 14

End of Safety Data Sheet.