



Section 1. Product and Company Identification.

1.1 Model Number; SDH101 v1
1.2 Description; Dehumidifier 10ltr
R134a Refrigerant

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; December 2010

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Gases under pressure - Liquefied gas.

2.2 Label elements.

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 place.

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	811-97-2	100%	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

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

Thaw affected areas with water.

Remove contaminated clothing.

After contact with skin, wash immediately with plenty of warm water.

If irritation or blistering occur obtain medical attention.

Eye Contact

Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.

Obtain medical attention.

Ingestion

Unlikely 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 surrounding fire.

Keep fire exposed containers cool by spraying with water.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for fire-fighters

Self-contained breathing apparatus and full protective clothing. See also Section 8.



Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

Ensure suitable personal protection (including respiratory protection) during removal of spillages.

6.2. Environmental precautions

No information available.

6.3. Methods and material for containment and cleaning up

Provided it is safe to do so, isolate the source of the leak. Allow small spillages to evaporate provided there is adequate ventilation.

Large spillages: Ventilate area. Contain spillages with sand, earth or any suitable adsorbent material. Prevent liquid from entering drains, sewers, basements and workpits since the vapour may create a suffocating atmosphere.

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 inhalation of high concentrations of vapours. Atmospheric levels should be controlled in compliance with the occupational exposure limit. Atmospheric concentrations well below the occupational exposure limit can be achieved by good occupational hygiene practice. The vapour is heavier than air, high concentrations may be produced at low levels where general ventilation or wear suitable respiratory protective equipment with positive air supply. Avoid contact with naked flames and hot surfaces as corrosive and very toxic decomposition products can be formed. Avoid contact between the liquid and skin and eyes. Avoid venting to atmosphere.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a well ventilated place away from fire risk and avoid sources of heat such as electric or steam radiators. Avoid storing near to the intake of air conditioning units, boiler units and open drains.

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

No information available.

8.2. Exposure controls

Appropriate Engineering Controls

No information available.

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:	Colourless liquefied gas.
(b) Odour:	Slight ethereal.
(c) Odour threshold;	No information available.
(d) pH:	No information available.
(e) Melting point/freezing point;	-101°C
(f) Initial boiling point and boiling range;	-26.2°C
(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;	4270 at 20°C.
(l) Vapour density;	3.66 at normal boiling point.
(m) Relative density;	1.22 at 20°C
(n) Solubility (ies);	Slightly soluble.
(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	No information available.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	No information available.
10.5. Incompatible materials	Finely divided metals, magnesium and alloys containing more than 2% magnesium. Can react violently if in contact with alkali metals and alkaline earth metals - sodium, potassium, and barium.
10.6. Hazardous decomposition products	Hydrogen fluoride by thermal decomposition and hydrolysis.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Inhalation: LC50 (rat) (4hrs) > 500000 ppm (2080000 mg/m³)

High exposures may cause an abnormal heart rhythm and prove suddenly fatal. Very high atmospheric concentrations may cause anaesthetic effects and asphyxiation.

Skin Contact: Liquid splashes or spray may cause freeze burns. Unlikely to be hazardous by skin absorption.

Eye Contact: Liquid splashes or spray may cause freeze burns.

Ingestion: Highly unlikely - but should this occur freeze burns will result.

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 product 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	05/08/16	First issue.
2	13/04/17	Section 2, 7, 9, 11 & 12.
3	26/02/18	Section 2 & 14.

End of Safety Data Sheet.