



Section 1. Product and Company Identification.

1.1 Model Number; SDH30 v2
1.2 Description; Industrial Dehumidifier 30L
 R290 Refrigerant : Propane

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; January 2019

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.

Flammability: Propane gas is extremely flammable.

Inhalation: Inhalation of propane gas is harmful and can cause unconsciousness.

Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements ¹
Propane	74-98-6	99 - 99.98%	Flam. Gas 1 Press. Gas	H220

¹For full text of Statements, see Section 16.



Section 4. First Aid Measures.

4.1 Description of first aid measures

Inhalation

Move the exposed person to fresh air at once.
Get prompt medical attention.
Keep the affected person warm and at rest.

Skin Contact

Wash the skin immediately with soap and lukewarm water.
Get prompt medical attention if the affected area begins to blister or deep tissue freezing.

Eye Contact

Remove contact lenses if present and easy to do so.
Wash eyes with plenty of water while lifting the eye lids.
Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion

Not a usual route of contamination.
Get 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, Carbon Dioxide, Dry Chemical.
Use water spray to cool fire exposed containers.

5.2. Special hazards arising from the substance or mixture

Liquid and vapour are flammable.
Will form explosive mixture with air.
Vapours may travel to source of ignition and flash back.

5.3. Advice for fire-fighters

If possible, stop flow of propane using remote valve.
Use self-contained breathing apparatus.



Section 6. Accidental Release Measures.

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel from the area.

Ensure adequate ventilation.

Remove / prevent all sources of ignition.

6.2. Environmental precautions

No data available

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

Remove / prevent all sources of ignition.

If leak is within container, or container valve, contact CHEMTREC or Advanced Gas Technologies.

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

Ensure adequate ventilation.

Remove / prevent all sources of ignition.

Do not drag, roll or slide cylinders.

7.2. Conditions for safe storage, including any incompatibilities

Stored in a cool, dry, well-ventilated area.

Store away from all sources of ignition.

Temperature of storage must not exceed 130°F (54 °C).

Never carry a compressed gas in an enclosed space such as a car trunk, van or station wagon.

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.

Remove / prevent sources of ignition

8.2. Exposure controls

Not necessary under conditions of normal use of the model Number identified in 1.1 with Description stated in 1.2.

Eye/Face Protection

Safety goggles or glasses

Skin Protection

Plastic or rubber gloves.

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:	Gas.
(b) Odour:	Odourless.
(c) Odour threshold;	No data available
(d) pH:	No data available
(e) Melting point;	-187.7
(f) Initial boiling point;	-42.1
(g) Flash point;	No data available
(h) Evaporation rate;	No data available
(i) Flammability (solid, gas);	No data available
(j) Upper/lower flammability or explosive limits;	No data available
(k) Vapour pressure;	124 Psia @70 F
(l) Vapour density;	1.56
(m) Relative density;	No data available
(n) Solubility(ies);	Negligible
(o) Partition coefficient: n-octanol/water;	No data available
(p) Auto-ignition temperature;	No data available
(q) Decomposition temperature;	No data available
(r) Viscosity;	No data available
(s) Explosive properties;	No data available
(t) Oxidising properties.	No data available

9.2 Other information No data available



Section 10. Stability and Reactivity.

10.1. Reactivity	No data available
10.2. Chemical stability	Stable
10.3. Possibility of hazardous reactions	No data available
10.4. Conditions to avoid	No data available
10.5. Incompatible materials	Oxidizers
10.6. Hazardous decomposition products	Carbon Dioxide, Carbon monoxide

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Inhalation

Propane is a simple asphyxiant.

High concentrations causes dizziness, deeper breathing, possible nausea and eventual unconsciousness.

Skin Contact

Contact with the liquid can cause cryogenic "burn" or frostbite which causes pain and irritation.

Eye Contact

Contact with the liquid can cause cryogenic "burn" or frostbite which causes pain and irritation.

Ingestion

Ingestion of the substance is unlikely.

Contact with the liquid can cause cryogenic "burn" or frostbite which causes pain and irritation.

Section 12. Ecological Information.

No data available

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Dispose of in accordance with local authority requirements



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	27/07/20	First issue.

End of Safety Data Sheet.