Safety Data Sheet

Section 1. Product and Company Identification.

1.1 Model Number; SDH30 v3

1.2 Description; Industrial Dehumidifier 30L 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; 15/03/2019

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 Volume**	**Classification**	
			Hazard Class & Category Code	**Hazard Statements** [1]
Propane	74-98-6	99.5 %	Flam. Gas 1 Press. Gas	H220

[1]For 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.
Keep the affected person warm and at rest. Get prompt medical attention.

Skin Contact
Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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.

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
Dry powder, Chemical foam, carbon dioxide, Water mist,

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
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.

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.

7.2. Conditions for safe storage, including any incompatibilities
Ensure adequate ventilation.
Store away from all sources of ignition.

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
Full face shield

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:	Not applicable.
(e) Melting point;	-189.7 °C
(f) Initial boiling point;	-42 °C
(g) Flash point;	-104 °C
(h) Evaporation rate;	Not applicable.
(i) Flammability;	Combustible.
(j) Upper/lower flammability or explosive limits;	LEL (lower explosive limit) 2.1 % V/V (Volume per Volume) UEL (upper explosive limit) 9.5 % V/V (Volume per Volume)
(k) Vapour pressure;	0.476 mPa.
(l) Vapour density;	No data available.
(m) Relative density;	No data available.
(n) Solubility(ies);	Slightly soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	Not applicable.
(s) Explosive properties;	No data available
(t) Oxidising properties.	No data available.

9.2 Other information — None.

Section 10. Stability and Reactivity.

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions	No polymerization occurs.
10.4. Conditions to avoid	Heat, flame and spark. Extreme temperatures. Direct sunlight. Static discharge.
10.5. Incompatible materials	Prevent contact with oxidants.
10.6. Hazardous decomposition products	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Section 11. Toxicological Information.

11.1. Information on toxicological effects

No data available.

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	07/05/2021	First issue.

End of Safety Data Sheet.