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PRINT DATE: 31/07/2002

SAFETY DATA SHEET

REF: T11

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: Freezer

Supplier: MMP-International, Division

of ITW Ltd.

Brunel Close, Park Farm

Ind Est,

Wellingborough, Northants,

NN8 6QX

Emergency telephone number: +44 (0) 1933 670870 **Fax No:** +44 (0) 1933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

Chemical Name	CAS-No	EEC-No	Class	Weight %
1,1,1,2-TETRAFLUOROETHANE	811-97-2			60-80
BUTANE	106-97-8	601-004- 00-0	F+; R12	1-5
PROPANE	74-98-6	601-003- 00-5	F+; R12	1-5

3. HAZARDS IDENTIFICATION

Most important hazards: not a dangerous substance as defined in the above regulations

4. FIRST AID MEASURES

General advice: Show this safety data sheet to the doctor in attendance.

Inhalation: Move to fresh air in case of accidental inhalation of vapours, Consult a

physician if necessary.

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated

clothes and shoes.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, Carbon Dioxide (CO ,), powder, Water spray.

Extinguishing media which must not be used for safety reasons:

None

Specific hazards: Burning produces irritant fumes.

Special protective equipment for firefighters: In case of fire, wear a self contained

breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions: Do not let product enter drains. **Methods for cleaning up:** Clean with detergents. Avoid solvents.

7. HANDLING AND STORAGE

Handling: Keep product and empty container away from heat and sources of ignition.

Storage: Keep at temperatures below 50.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name: National occupational exposure limits (Ref: British COSHH -

EH40):

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BUTANE 600ppm
PROPANE Asphyxiant.

Engineering measures to

reduce exposure

Ensure adequate ventilation, especially in confined areas.

- **Respiratory protection:** Breathing apparatus with filter.

Hand protection: gloves.

Eye protection: safety glasses with side-shields.
 Skin and body protection: lightweight protective clothing.

Hygiene measures: When using do not eat or drink, Do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid - Colour: colourless. Odour: slightly sweet,

aerosol. ether-like.

g/I H2O)

Boiling point/range: -24.7 °C **Flash point:** N/A °C

Flammability (solid, gas): LEL 0.8 (% VOL IN AIR AT

25°C) UEL 9.0

Oxidizing properties: None
Vapour pressure: 6.89 bar

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: None

Materials to avoid: oxidizing agents, strong acids and strong bases.

Hazardous decomposition products: hydrogen halides, carbonyl halides.

11. TOXICOLOGICAL INFORMATION

Local effects: May cause sensitization by inhalation.

Sensitization: Prolonged exposure May cause sensitization of susceptible persons by skin

contact or by inhalation of aerosol or dust. May cause eye irritation with

susceptible persons

12. ECOLOGICAL INFORMATION

Mobility: Do not contaminate water.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Empty containers can be landfilled, when in

compliance with local regulations.

Contaminated packaging:Can be incinerated, when in compliance with local

regulations.

European waste Catalogue No: 08 04 99

14. TRANSPORT INFORMATION

Proper shipping name: Aerosol

UN-No: 1950 ADR/RID Class: 2

HI/UN No: 1950

IMO Class: 2

Proper shipping name: Aerosol

ICAO Class: 2 UN/ID No: 1950

Proper shipping name Aerosol

Product name: Preezer Product name: Preezer

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15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: 1,1,1,2-TETRAFLUOROETHANE (R134a)

- Symbol(s):

R -phrase(s):

S -phrase(s): S2 - Keep out of reach of children. S51 - Use only in well ventilated areas. S23 - Do

not breathe vapour.

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 09/07/2002

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication