

## SAFETY DATA SHEET FREEZER SPRAY

### 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME                      FREEZER SPRAY  
PRODUCT NO.                        EFRE200/400  
APPLICATION                        Manufacture of electrical equipment  
SUPPLIER                            H K WENTWORTH PTY LIMITED  
    P.O. BOX 339  
    BROOKVALE, NSW 2100  
    AUSTRALIA  
    TEL: 02 9938 1566  
    FAX: 02 9938 1467  
    GENERAL MANAGER  
EMERGENCY TELEPHONE            Tel: 029938 1566 between 8.30am and 5.00pm EST

### 2 HAZARDS IDENTIFICATION

#### HAZARD ID

Not regarded as a health or environmental hazard under current legislation.

#### HAZARD ID 2

The above phrases are the risks associated with the product

#### STATEMENT OF HAZARDOUS NATURE

DANGEROUS GOODS (According to ADG Code). NON-HAZARDOUS SUBSTANCE (According to criteria of NOHSC).

#### SAFETY PHRASES

A1	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2	Do not spray on a naked flame or any incandescent material.
S2	Keep out of the reach of children

#### DG CLASS

Class 2: Gases

PACKING GROUP                    N/A

UN NO.                                1950

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,1,1,2-TETRAFLUOROETHANE R134A	212-377-0	811-97-2	60-100%	-
1,1,DIFLUOROETHANE R152A	200-866-1	75-37-6	10-30%	F+;R12.

#### COMPOSITION COMMENTS

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels

### 4 FIRST-AID MEASURES

#### NOTES TO THE PHYSICIAN

Treat symptomatically

#### INHALATION

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

#### INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly.

#### SKIN CONTACT

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

## FREEZER SPRAY

### EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

## 5 FIRE-FIGHTING MEASURES

### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

### SPECIAL FIRE FIGHTING PROCEDURES

Move container from fire area if it can be done without risk.

### UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

### STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
1,1,1,2-TETRAFLUOROETHANE R134A	ES-TWA	1000 ppm	4240 mg/m3		

### INGREDIENT COMMENTS

Australian exposure limits are: LT= ES-TWA and ST= ES STEL

### ENGINEERING MEASURES

No particular ventilation requirements.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Aerosol Liquid		
COLOUR	Colourless		
ODOUR	Characteristic		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	-26.5	RELATIVE DENSITY	1.13 @ 25 °c
VAPOUR PRESSURE	449 kPa @ 20 °c		

## 10 STABILITY AND REACTIVITY

### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen fluoride (HF). Carbonyl fluoride

## 11 TOXICOLOGICAL INFORMATION

## FREEZER SPRAY

### GENERAL INFORMATION

No specific health warnings noted.

### INHALATION

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

### HEALTH WARNINGS

Contact with liquid form may cause frostbite.

### Other Health Effects

This substance has no evidence of carcinogenic properties.

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

Not regarded as dangerous for the environment.

## 13 DISPOSAL CONSIDERATIONS

### DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

## 14 TRANSPORT INFORMATION



UK ROAD CLASS 2

PROPER SHIPPING NAME AEROSOLS

### ADG CLASS

Class 2.2: Non-flammable non-toxic gases

UN NO.	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	2	DG CLASS	Class 2: Gases
PACKING GROUP	N/A	ADR LABEL NO.	2.2
CEFIC TEC(R) NO.	20G5A, 20G5O	RID CLASS NO.	2
RID PACK GROUP	N/A	UN NO. SEA	1950
IMDG CLASS	2.2	IMDG PAGE NO.	9022
IMDG PACK GR.	N/A	EMS	F-D, S-U
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1950	AIR CLASS	2.2
AIR PACK GR.	N/A		

## 15 REGULATORY INFORMATION

### RISK PHRASES

NC Not classified.

### SAFETY PHRASES

A1 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
A2 Do not spray on a naked flame or any incandescent material.  
S2 Keep out of the reach of children

### GUIDANCE NOTES

Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003 (1995)]

### NATIONAL REGULATIONS

National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC:1005(1994)]

National Code of Practice for the Control of Workplace Hazardous Substances [NOHSC:2007(1994)]

## FREEZER SPRAY

National Code of Practice for the Preparation of Material Safety Datasheets [NOHSC:2011(2003)  
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004) and List of Designated Hazardous Substances  
POISONS SCHEDULE NUMBER      NONE

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### 16 OTHER INFORMATION

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REVISION DATE                      NOVEMBER 2007  
REV. NO./REPL. SDS GENERATED   0  
SDS NO.                                10376  
RISK PHRASES IN FULL  
R12                                      Extremely flammable.

#### DISCLAIMER

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