

# QUICK FREEZE

## Material Safety Data Sheet

### COMPANY DETAILS

Company: Rothenberger Australia Pty Ltd  
A.C.N. 008 411 658  
Address: 12/5 Hudson Ave, Castle Hill, NSW 2154  
Telephone: 02 9899 7577

#### 1. IDENTIFICATION OF THE PREPARATION:

**CHEMICAL NAME:** QUICK FREEZE  
**APPLICATIONS:** Freezer Spray for various applications.

#### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

<b>INGREDIENT NAME:</b>	DIMETHYL ETHER	1,1,1,2-TETRAFLUOROETHANE
<b>CAS No:</b>	115-10-6	811-97-2
<b>CONTENTS:</b>	<10%	80-100%
<b>HEALTH (Class):</b>	N/A	N/A
<b>RISK (R No):</b>	N/A	N/A

**COMPOSITION COMMENTS:** Self-propelling blend of DIMETHYL ETHER and 1,1,1,2-TETRAFLUOROETHANE

#### 3. HAZARDOUS IDENTIFICATION:

May cause frostbite if intentionally misused.

#### 4. FIRST AID MEASURES:

**EYES:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

**SKIN:** Wash the affected area with warm water.

**INHALATION:** Provide rest, warmth and fresh air. Seek medical advice if discomfort continues.

**INGESTION:** Immediately rinse mouth and provide fresh air. Seek medical attention if discomfort continues.

#### 5. FIRE FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** This product is not classified flammable under current regulations, but does contain flammable materials which may increase fire risk.

#### SPECIAL FIRE FIGHTING PROCEDURES:

Use water to keep fire exposed containers cool and disperse vapours. Breathing apparatus should be worn if exposure to fumes is likely.

#### UNUSUAL FIRE & EXPLOSION HAZARDS:

Possible risk of rupture when exposed to fire/high temperatures.

#### HAZARDOUS DECOMPOSITION PRODUCTS:

Fire or high temperatures create halogenated hydrocarbons, oxides of carbon.

#### 6. ACCIDENTAL RELEASE MEASURES:

**SPILL CLEANUP METHODS:** Let evaporate, and ventilate well.

## 7. HANDLING AND STORAGE:

**USAGE PRECAUTIONS:** CAUTION: Pressurised container. Do not expose to temperatures exceeding 50°C. Do not puncture or incinerate even when empty. Do not spray onto naked flames or any incandescent material. Spray in short bursts to prevent cooling of the can.

**STORAGE PRECAUTIONS:** Store in a cool, dry place away from all sources of heat including direct sunlight.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

<b>INGREDIENT NAME:</b>	DIMETHYL ETHER	1,1,1,2-TETRAFLUOROETHANE
<b>CAS No:</b>	115-10-6	811-97-2
<b>STD:</b>	OES	OES
<b>LT EXP (8 hrs):</b>	1000PPM	1000ppm (rec.)
<b>ST EXP (10 mins):</b>	No std.	

### INGREDIENTS COMMENTS:

**OES:** Occupational Exposure Standard.  
**LT EXP:** Long Term Exposure Limit.  
**ST EXP:** Short Term Exposure Limit.

### PROTECTIVE EQUIPMENT:



**VENTILATION:** No specific ventilation requirements noted, except that this product must not be used in a confined space without good ventilation.

**RESPIRATORS:** None required if used in a well ventilated area.

**PROTECTIVE GLOVES:** No specific hand protection noted, but gloves may still be advisable.

**EYE PROTECTION:** Safety goggles/glasses are advised if there is a risk of eye contact, but not generally required under normal use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE:** Aerosol

**ODOUR/TASTE:** Characteristic

**SPECIFIC GRAVITY:** N/A @ 20°C (Water = 1)

**pH VALUE:** N/A

**FLASH POINT (°C):** N/A

**FLASH POINT METHOD:** Will not flash.

## 10. STABILITY AND REACTIVITY:

**MATERIALS TO AVOID:** Powdered metals, Alkali metals, Alkali Earth metals.

**CONDITIONS TO AVOID:** Avoid heat, flames and other sources of ignition.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Fire or high temperatures create halogenated hydrocarbons, oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION:

### HEALTH WARNINGS:

**EYE CONTACT:** Liquid splashes may result in the freezing of eye tissue and fluids.

**SKIN CONTACT:** Large quantities may lead to frostbite.

**INHALATION:** High concentrations of vapour may cause dizziness, nausea and headaches.

**INGESTION:** Will cause freezing of the mouth and possibly internal damage. This is unlikely to occur due to the nature of the product.

## 12. ECOLOGICAL INFORMATION:

### WATER HAZARD CLASSIFICATION:

Discharges of product will enter the atmosphere and will not result in long term aqueous contamination.

### GLOBAL WARMING POTENTIAL:

0.28 (R11 = 1) (1,1,1,2-Tetrafluoroethane)

### OZONE DEPLETION POTENTIAL:

0 (R11 = 1) (1,1,1,2-Tetrafluoroethane)

## 13. DISPOSAL CONSIDERATIONS:

**DISPOSAL METHODS:** Do not puncture or incinerate even when empty. Dispose of in accordance with local authority requirements.

## 14. TRANSPORT INFORMATION:

### ROAD:

<b>UN No:</b>	1950	<b>ADR CLASS:</b>	2
<b>CEPIC No:</b>	20G26-1	<b>ADR ITEM No:</b>	5 <sup>°</sup> A

### AIR:

<b>UN AIR:</b>	1950	<b>AIR TRANSPORT CLASS No:</b>	2
<b>AIR PACK GR:</b>	---		

### SEA:

<b>UN SEA:</b>	1950	<b>SEA TRANSPORT CLASS No:</b>	2
<b>IMDG PAGE No:</b>	2102	<b>SEA PACK GR:</b>	---

## 15. REGULATORY INFORMATION:

**RISK PHRASES:** Not classified

**SAFETY PHRASES:**

<b>S-24/25</b>	Avoid contact with skin and eyes
<b>S-23</b>	Do not breathe vapour/spray
<b>S-51</b>	Use only in well ventilated areas

### REGULATORY REFERENCES:

The Control of Substances Hazardous to Health Regulations, 1988.  
Chemicals (Hazardous Information & Packaging) Regulations, 1996.

## 16. OTHER INFORMATION:

**SDS No:** 2435A  
**REVISION DATE (DD/MM/YY):** 28/05/2007  
**REVISION No:** 4  
**REVISION COMMENTS:** Revised Hazard Information.

### Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the Company's knowledge and belief, accurate and reliable as at the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.