

# SAFETY DATA – DERMAFREEZE™

## 1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

Chemical Name: DERMAFREEZE™  
Applications: Specially formulated for all freezing applications, in particular tissue freezing and tissue cooling.  
Supplier: Orthotic-Lab Limited,  
130 Llanover Road, Wembley, Middx, HA9 7LT  
Emergency Tel. No: 0870 873 4442

## 2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient Name:	EINECS No.	CAS No.	Contents	Symbol (R No.)	Risk
Dimethyl Ether	204-065-8	115-10-6	5-10%	Fx	12
1,1,1,2-Tetrafluoroethane	212-377-0	811-97-2	60-100%	NC	None

The full text for all R-phrases are shown in Section 16.  
Composition comments: Risk phrases in this section apply only to individual constituents and not the finished preparation

## 3. HAZARDS IDENTIFICATION:

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

## 4. FIRST AID MEASURES:

Inhalation: If inhaled, provide fresh air, rest and warmth. Seek medical attention if irritation persists.  
Ingestion: DO NOT induce vomiting. Seek urgent medical attention and show this safety data sheet.  
Skin: Wash affected area with warm water.  
Eyes: Rinse the eye with water immediately until irritation subsides. Seek medical attention if irritation persists.

## 5. FIRE FIGHTING MEASURES:

Extinguishing Media: This product is not flammable.  
Unusual Fire & Explosion Hazards: Possible risk of can rupture when exposed to fire/high temperatures.  
Hazardous Decomposition Products: Oxides of carbon and noxious fumes.  
Protective measures in Case of Fire: In the event of fire protect against exploding cans. Water spray may be used to cool the cans. Breathing apparatus should be worn if exposure to fumes likely.

## 6. ACCIDENTAL RELEASE MEASURES:

Spill Clean-up Methods: This product is a hermetically sealed pressurised aerosol unit and accidental spillage is unlikely. If can ruptures, allow the contents to discharge in situ, whilst removing all ignition sources from the area and ensuring maximum ventilation. Use an absorbent material eg sand, to mop up residues. See section 13 'Disposal Considerations'.

## 7. HANDLING AND STORAGE:

Storage Precautions: CAUTION: Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees Celsius. It is recommended that aerosols are stored in their own location away from bulk flammable liquids and packaging materials. Store in a cool, dry place away from heat and ignition sources. Do not puncture or incinerate even when empty.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Ingredient Name:	Cas No	STD	LT EXP (8 hours)	ST EXP (15 mins)
Dimethyl Ether	115-10-6	OES.	400ppm	500ppm
1,1,1,2-Tetrafluoroethane	811-97-2	OES.	1000ppm	No std.

Ingredient comments: OES – Occupational Exposure Standard  
Ventilation: No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.  
Hygienic work routines: PERSONAL PROTECTION: Wear personal protective equipment appropriate to task.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical data comments: Not applicable – product is a hermetically sealed aerosol unit.

## 10. STABILITY AND REACTIVITY:

Stability: There are no known stability problems associated with this product when stored and used under the conditions recommended.

Hazardous decomposition Products: Thermal decomposition products are toxic or corrosive. Chemicals produced during thermal decomposition are highly dependent upon temperature and conditions.

## 11. TOXICOLOGICAL INFORMATION:

Health hazards, general: An acute toxicity study of this product has not been conducted. Information given in this section relates only to individual constituents contained in this product. Health hazards associated with aerosols are considered to be limited due to their hermetically sealed nature.

Inhalation: Extremely hazardous. Freezing liquid can cause injury.  
Ingestion: Extremely hazardous. Freezing liquid can cause injury.  
Skin: May cause cold burns.  
Eyes: May cause cold burns.

## 12. ECOLOGICAL INFORMATION:

Environmental hazards: An ecotoxicity study of this product has not been conducted. However, this product contains no substances which are classified as dangerous to the environment.

## 13. DISPOSAL CONSIDERATIONS:

Disposal methods: Recycle empty containers if facilities are available. Dispose in accordance with local authority recommendations.

## 14. TRANSPORT INFORMATION:

Road:  
UN No: 1950 ADR CLASS No: 2  
ADR ITEM No: 5\*A PROPER SHIPPING NAME I: AEROSOLS  
RAIL:  
SEA:  
UN SEA: 1950 SEA TRANSPORT CLASS No: 2.2  
AIR:  
UN AIR: 1950 AIR TRANSPORT CLASS No: 2.2

## 15. REGULATORY INFORMATION:

Risk phrases: Not classified  
Safety Phrases: S-2 Keep out of reach of children.  
UK Regulatory References: Chemical (Hazard Information & Packaging) Regulations.

## 16. OTHER INFORMATION:

User notes: The purpose of the above notes is to describe this product only in terms of Health & Safety requirements. The information given therefore, should not be construed as guaranteeing specific properties or specifications. Customers should satisfy themselves as to the suitability and completeness of this information for their own particular use, bearing in mind any other Health & Safety legislation or regulations. The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is construed as a warranty or representation. Statements concerning the use of the product described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.

Information Sources: British Aerosol Manufacturers Association Code of Practice.  
HSE EH40 Occupational Exposure Limits.  
Suppliers health & safety data sheets.

Revision Dated: 11.11.2004  
Revision No./ Replaces SDS issued: 1  
R-Phrases (full text): R-12 Extremely flammable  
Not classified

Date: 11.11.2004