

SAFETY DATA SHEET – CRYO-SPRAY 59

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY:

Chemical Name: Cryo-spray 59

Applications: Specially formulated for all freezing applications, in particular tissue freezing

Supplier: Cuxson Gerrard & Company Limited, 125 Broadwell Road,
Oldbury, West Midlands. B69 4BF. UK

Emergency Tel No: 0121 544 7117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient Name: 1,1,1,2-Tetrafluoroethane, Einecs No: 212-377-0, Cas No: 811-97-2 Content 80-100%

Symbol: NC Risk No: Not classified

The full text for all R-phrases are shown in section 15.

Composition Comments: Aerosol propelled by non-flammable propellant.

3. HAZARD IDENTIFICATION: May cause frost bite if intentionally misused but not regarded as a health hazard under current legislation CHIP 2002 updated 2003.

4. FIRST AID MEASURES:

Eyes: Rinse the eye with water immediately. Continue to rinse for 15 minutes. Contact physician if discomfort continues.

Skin: Rinse the skin immediately with lots of water.

Inhalation: Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position.

Ingestion: Immediately rinse mouth and provide fresh air. Get medical attention if discomfort continues.

5. FIRE FIGHTING MEASURES:

Extinguishing Media: This product is not classified flammable under current regulations.

Special Fire Fighting Procedures: Cool containers, exposed to flames, with water until well after the fire is out.

Unusual Fire & Explosion Hazards: Possible risk of can rupture when exposed to fire/high temperatures.

Hazardous Decomposition Products: Product burning occurs with emission of a highly toxic and corrosive Gas (HF)

6. ACCIDENTAL RELEASE MEASURES:

Spill Cleanup Methods: Leave to 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 flame or any incandescent material. Spray in short bursts to prevent cooling of the can.

Storage Precautions: Aerosol Cans: Must not be exposed to direct sunlight or temperatures above 50°C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Ingredient Name:	Cas No.	STD	LT EXP	ST EXP
1,1,1,2-Tetrafluoroethane			(8 hrs)	(15min)
	811-97-2	OES	4240 mg/m ³	12720 mg/m ³

Ingredient Comments:

OES: Occupational Exposure Standard

LT EXP: Long Term Exposure Limit

ST EXP: Short Term Exposure Limit

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

Respirators: None required if used in well ventilated areas and used as directed.
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 if used as directed

9. PHYSICAL AND CHEMICAL PROPERTIES:

10. STABILITY AND REACTIVITY:

Stability: Normally stable
Materials to avoid: Powdered metal. Alkali metals. Alkali earth metals.
Condition to avoid. Avoid heat, flames and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Inhalation: High concentrations of vapour may cause dizziness, nausea and headaches.
Gas or vapour displaces oxygen available for breathing (asphyxiant).
Skin: Liquid on the skin could result in freeze burns.
Eyes: Liquid splashes could result in freezing of the eye tissues and fluids.
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:

Environmental Hazards: Not classified as dangerous to the environment.

13. DISPOSAL CONSIDERATIONS:

Disposal Methods: Do not puncture or incinerate even when empty. Dispose of in accordance with Local Authority requirements.

14. TRANSPORT INFORMATION:

Label for conveyance: No transport warning sign required.
Road UN No: 1950
Rail/Sea UN No: 1950
Air UN No: 1950

15. REGULATORY INFORMATION

Risk Phrases: Not classified
Safety Phrases: S-2 Keep out of reach of children
S-23 Do not breath gas/fumes/vapour/spray
S-51 Use only in well ventilated areas.
S-9 Keep container in a well ventilated place
S-35 This material and its container must be disposed of in a safe way.

16. OTHER INFORMATION:

Revision Date: 19-10-2004

DISCLAIMER

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