

Material Safety Data Sheet

Information Required for Substances for Use at Work (C.O.S.H.H.)



1. IDENTIFICATION

Safety Data Sheet No. C-LDF01/003 May 2002

Supplier:

Hayes (UK) Limited

Unit 7, Eagle Industrial Estate, Billingshurst, West Sussex, England, RH14 9RZ.

Tel: 08700 711700 Fax: 08700 711701 E-mail: info@hayes-uk.com

Product Name(s): Leak Detection Spray – Contract Can

2 - Composition Information on Ingredients

Ingredients	CAS No.	EEC No.	Class/risk	Weight/Conc.
Polyoxyethylene Sorbitane Fatty Acid Ester	9005-64-5	-	2.2	20% conc.
1,1,1,2 Tetrafluoroethane	811-97-2	212-377-0	2.2	<5%
Composition Comments: Aqueous based composition propelled by compressed air				

3 - Hazards Identification

Not considered as a health hazard. Low toxicity LD50>30g/Kg. Could cause mild irritation.

4 - First Aid Measures

Eyes:	Wash eyes promptly with lots of water for at least 15 minutes. Seek medical attention if any discomfort continues
Skin:	Wash skin with soap and water. Seek medical attention if any discomfort persists after washing
Inhalation:	Provide rest, warmth and fresh air
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth thoroughly and drink plenty of water. Contact a physician if a large quantity has been consumed.

5 - Fire Fighting Measures

Extinguishing Media	Use extinguishing media appropriate for surrounding fire
Special Fire Fighting Procedures	Keep containers cool with water spray
Unusual Fire & Explosion Hazards	Possible risk of can rupture when exposed to high temperatures
Thermal decomposition	Thermal decomposition creates fluorinated toxic and corrosive products.

6 - Accidental Release Measures

Spill Cleanup Methods

Small Spills	Flush down drain with plenty of water
Large Spills	Absorb or contain material from ruptured or leaking containers. Transfer to a suitable container for subsequent disposal.

7 - Handling & Storage

Use Precautions	Pressurised containers, do not expose to temperatures exceeding 50°C. Do not puncture or incinerate the tin unless completely purged.
Storage	Store in a cool dry place away from all sources of heat, including direct sunlight.

8 - Exposure controls/Personal protection

Protective Equipment:	None required
Ventilation:	No specific ventilation requirements noted
Respirators:	Type approved RPE for organic vapours and mists if required
Protective Gloves	Chemical resistant gloves recommended for prolonged or repeated contact

Eye Protection:	No specific eye protection required
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9 - Physical and Chemical Properties

Appearance	Aerosol
Odour/Taste	Characteristic
Specific Gravity	N/A @ 20°C
PH-value	N/A
Flash Point	>149°C
Vapour Pressure	6bar @ 20°C

10 -Stability & Reactivity

Stability	Stable under normal conditions
Materials to Avoid	Strong oxidising agents
Conditions to Avoid	Heat flames and other sources of ignition
Hazardous Decomposition	Fire or high temperatures create carbon dioxide (CO ₂), carbon monoxide (CO) and other hydrocarbon combustion products

11 - Toxicological Information

Inhalation	Practically non harmful by inhalation LC50/Inhalation/4 hours/Rat > 500,000 p.p.m
Skin contact	Injection of liquified gas may cause frost bite. Not a skin sensitiser.
Eye Contact	Injection of liquified gas may cause frost bite
Ingestion	Unlikely to cause irritation to humans. Extremely low oral toxicity.

12 - Ecological Information

The product is considered to be substantially removed in biological treatment process	
Mobility	Soluble in water
Degradability	The product is substantially biodegradeble in water. 97.2% 1 day, 100% 3.8 days
Aquatic Toxicity	LC50 172 hours (Rainbow Trout)

13 - Disposal Considerations

Disposal methods	Dispose of in accordance with local authority requirments. Do not puncture or cut until completely purged
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14 - Transport Information

No packaging group assigned		Air	
Road		UN-No	1950
UN-No	1950	ADR Class	2
Sea		ADR Item No	2
UN-No	1950	Air Transport Class	2.2

15 - Regulatory Information

Risk/Safety Phrases	Not classified
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16 - Other Information

Usage:	This product is usually used for detecting gas leaks in joints, fittings and connections
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Disclaimer: The above information is based on the our knowledge of the product at the time of publication, it is given I good faith. No warranty is implied with respect to the quality or specification of the product, the user must satisfy themself that the product is entirely suitable for the purpose intended.