

Leak Detector Spray

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Material name : Leak Detector Spray

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Spray for detecting air/gas leaks

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: IMG Ltd.,
 Unit M
 Riverside Industrial Estate
 Fazeley
 Tamworth
 B78 3RW

Tel. : 01827 283322
 Fax. : 01827 250143

Email (for SDSs) : sales@img-limited.co.uk

1.4 Emergency tel. no. : 01827 283322 (Available from 8.30 – 17.00 hours).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to 1272/2008/EC: Classification, Labelling and Packaging of Substances and Mixtures (CLP) Regulation:

Physical and Chemical Hazards	Aerosol, Category 3
Human health	Not classified
Environment	Not classified

2.2 Label elements

Labelling according to EC Directives: 1272/2008/EC:

Signal word: Warning

Pictogram(s): None required

Hazard Statements: H229 Pressurised container: May burst if heated.

Precautionary

Statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
	P251	Do not pierce or burn, even after use.
	P261	Avoid breathing vapour/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C.

2.3 Other hazards None

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures:

Hazardous components

Chemical Name	CAS No./ EC No./ Reg. No	Classification (1272/2008/EC)	Content
NITROGEN	7727-37-9 231-783-9 -	Press.Gas (Comp.); H280	1-5%

Ingredient comments: Aqueous solution - no ingredients classified as hazardous.

See Section 16 for the full text of the H-statements noted above.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Remove casualty from exposure ensuring one's own safety whilst doing so. Take off any contaminated clothing and shoes/boots immediately. Never give anything by mouth to an unconscious person.

Skin contact: Wash with soap and water. Seek medical advice if irritation develops.

Eye contact: Rinse with water for 10 minutes and seek medical advice if irritation persists.

Ingestion: Rinse mouth with water and give water to drink. Do not induce vomiting. Seek medical advice.

Inhalation: No undue effects in normal circumstances, if affected remove to fresh air and seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed: May cause irritation to skin and eyes with prolonged or repeated contact.

4.3 Indication of any immediate medical attention and special treatment needed: See skin and eye contact information above.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide; dry chemical powder; alcohol or polymer foam.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting: Heat may cause aerosols to burst. Irritating/toxic fumes may be released at elevated temperatures.

5.3 Advice for fire-fighters:

Special protective equipment: Wear self-contained breathing apparatus. Use personal protective equipment.

Further information: Standard procedure for chemical fires. Use water spray to cool containers.

Do not allow fire run-off to enter drains.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Use personal protective equipment to deal with spillage.

6.2 Environmental precautions

Do not discharge into drains or rivers, but if contamination to waterways has occurred, inform local authorities.

6.3 Methods and materials for containment and cleaning up

Contain with absorbent material and place in a labelled container for disposal in accordance with local/national regulations.

6.4 References to other sections

See sections 8 and 13 for personal protection and disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not breathe spray mist. Avoid contact with skin and eyes. Handle with care.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, well ventilated area, below 50°C. Protect from frost, heat and sunlight. Keep away from food, drink and animal feed.

7.3 Specific end use(s):

No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

No ingredients have been assigned a Workplace Exposure Limit.

DNEL/PNEC:

No data available

8.2 Exposure controls

Engineering measures:

Ensure there is sufficient ventilation of the area.

Personal protective equipment

Respiratory protection:

Unlikely to be necessary in normal circumstances.

Hand protection:

Wear chemically resistant gloves such as butyl rubber approved to standard EN 374.

Eye protection:

Chemical splash goggles to standard EN166.

Skin and body protection:

General workwear. Remove and replace contaminated clothing.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practices. Do not eat or drink whilst using the product. Wash hands before breaks and at the end of the work day. Wash contaminated clothing before re-use.

Environmental exposure controls:

Do not discharge into drains or rivers.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

State and colour	Aerosol emitting colourless spray.
Odour	Slightly soapy
Odour Threshold	No data available
Flammability	Not flammable
Flash point	Not applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Explosive properties	Not explosive
Thermal decomposition	No data available
Auto-ignition temperature	No data available
Oxidising properties	Non-oxidising
Solubility in water	Miscible
Solubility in other solvents	Not determined
pH	~7.0
Melting point/range	No data available
Boiling point/range	No data available
Density	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity (kinematic)	No data available
Evaporation rate	No data available

9.2 Other information	No data available.
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10. STABILITY AND REACTIVITY

10.1 Reactivity	Generally non-reactive.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None if stored and used as directed.
10.4 Conditions to avoid	Heat, flames and sparks.
10.5 Incompatible materials	Strong bases. Strong acids.
10.6 Hazardous decomposition products	Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation:	Not classified.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitisation:	Not classified.
Repeated dose toxicity:	No data available.
Carcinogenicity:	Not classified.
Mutagenicity:	Not classified.
Toxicity for reproduction:	Not classified.
Specific target organ toxicity (STOT):	No data available.
Further information:	No data available.

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12. ECOLOGICAL INFORMATION

12.1 Toxicity	No data available.
12.2 Persistence and degradability	Readily biodegradable.
12.3 Bioaccumulative potential	Unlikely to bioaccumulate.
12.4 Mobility in soil	The aerosol contents are miscible with water.
12.5 Results of PBT and vPvB assessment	Contains no PBT or vPvB substances.
12.6 Other adverse effects	None expected.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

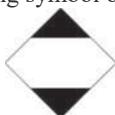
Disposal operations: Dispose of in accordance with local and national regulations.

Contact licensed waste disposal company. Most aerosols can be recycled.

Do not pierce or burn or use a cutting torch on the empty aerosol container.

14. TRANSPORT INFORMATION

General Information: The UN number for all aerosols is 1950. Aerosols packed in fibreboard cartons up to 30 kg gross weight, or shrink/stretch wrapped onto trays up to 20 kg gross weight may be transported as Limited Quantities, and should display the following symbol on the pack:



The following information relates to all other aerosols not transported as Limited Quantities:

14.1 UN number ADR/RID/ADN; IMDG; ICAO 1950

14.2 UN proper shipping name AEROSOLS

14.3 Transport hazard class(es)	ADR/RID/ADN Class	2, 5A
	ADR/RID/ADN Class	Class 2, Gases
	ADR Label No.	2.2
	IMDG Class	2
	ICAO Class/Division	2
	ICAO Subsidiary risk	2.2



Transport labels

14.4 Packing Group ADR/RID/ADN; IMDG; ICAO Not applicable for aerosols

14.5 Environment hazards Marine Pollutant Not applicable for aerosols.

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14.6 Special precautions for user EMS

F-D, S-U

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for aerosols.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2001 No.2677) with amendments.

EU Directives

Regulations (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Statutory Instruments

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Guidance Notes

Health and Safety Executive Workplace Exposure Limits EH40.

15.2 Chemical Safety Assessment

Chemical Safety Assessments/Reports (CSA/CSR) are not required for mixtures.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No.453/2010.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 (CLP):

Physical hazards: On basis of test data/Expert judgement.
Health hazards: Calculation method
Environmental hazards: Calculation method

Full text of H-statements referred to under sections 2 and 3

H229 Pressurised container: May burst if heated.
H280 Contains gas under pressure; may explode if heated

Abbreviations and acronyms

CAS: Chemical Abstract Service (division of the American Chemical Society). {Section 3}.

STOT: Single Target Organ Toxicity (Section 2; 11).

DNEL: Derived No Effect Level (Section 8).

PNEC: Predicted No Effect Concentration (Section 8).

TWA: Time-weighted average. (Section 8).

STEL: Short-term exposure limit. (Section 8).

PBT: Persistent, Bioaccumulative, Toxic. (Section 12).

vPvB: very Persistent and very Bioaccumulative. (Section 12).

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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