

# SAFETY DATA SHEET

## Sterling Leak Detector

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name Sterling Leak Detector  
Product number LS97

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

Identified uses Leak Detector

#### 1.3. Details of the supplier of the safety data sheet

Supplier Beal (UK) Ltd  
Sterling Works  
Texas Street  
Tingley (A650)  
Leeds, West Yorkshire  
LS27 0HG  
T 0113 253 8888  
F 0113 253 0223  
sales@beal.org.uk

#### 1.4. Emergency telephone number

Emergency telephone 0113 253 8888

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification

Physical hazards Aerosol 3 - H229  
Health hazards Eye Irrit. 2 - H319  
Environmental hazards Not Classified

**Human health** Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

**Environmental** The product is not expected to be hazardous to the environment.

**Physicochemical** Aerosol containers can explode when heated, due to excessive pressure build-up. Not considered to be a significant hazard due to the small quantities used.

#### 2.2. Label elements

##### Pictogram



Signal word Warning

Hazard statements  
H229 Pressurised container: may burst if heated  
H319 Causes serious eye irritation.

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<b>Precautionary statements</b>	<p>P102 Keep out of reach of children.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P251 Do not pierce or burn, even after use.</p> <p>P260 Do not breathe vapour/spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.</p> <p>P501 Dispose of contents/container in accordance with local regulations.</p>
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### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM LAURYL SARCOSINATE</b>			<b>1-5%</b>
CAS number: 137-16-6	EC number: 205-281-5	REACH registration number: 01-2119527780-39	
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318		T;R23. Xi;R38,R41.	
<b>Sodium Benzoate</b>			<b>&lt;1%</b>
CAS number: 532-32-1	EC number: 208-534-8	REACH registration number: 01-2119460683-35	
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319		Xi;R36.	
<b>SODIUM NITRITE</b>			<b>&lt;1%</b>
CAS number: 7632-00-0	EC number: 231-555-9	REACH registration number: 01-2119471836-27	
M factor (Acute) = 1			
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400		O;R8 T;R25 N;R50	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air at once.
<b>Inhalation</b>	Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth thoroughly with water.

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**Skin contact** Rinse with water. Get medical attention if irritation persists after washing.

**Eye contact** Rinse with water. Get medical attention if any discomfort continues.

### 4.2. Most important symptoms and effects, both acute and delayed

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up. Decomposes on contact with flames and hot surfaces to produce hydrofluoric acid and fluorophosgene. Containers can burst violently or explode when heated, due to excessive pressure build-up.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** VENTILATE/EVAPORATE.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Do not spray near a naked flame or any incandescent material.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degrees Centigrade. Do not pierce or burn, even after use.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

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### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Sodium Benzoate

Long-term exposure limit (8-hour TWA): WEL 6.3 mg/m<sup>3</sup>

##### SODIUM NITRITE

Long-term exposure limit (8-hour TWA): No std.

WEL = Workplace Exposure Limit

#### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	This product must not be handled in a confined space without adequate ventilation.
<b>Personal protection</b>	When using do not smoke
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Not relevant
<b>Hygiene measures</b>	Wash hands after contact. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Aerosol.
<b>Colour</b>	N/A
<b>Odour</b>	No characteristic odour.
<b>Flash point</b>	>100°C
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Relative density</b>	1.0 @ 20°C
<b>Comments</b>	Information given is applicable to the major ingredient.

#### 9.2. Other information

<b>Other information</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 0 g/l.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** Stable at normal ambient temperatures and when used as recommended.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

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### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Does not decompose when used and stored as recommended.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Keep away from oxidising materials, heat and flames.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**ATE oral (mg/kg)** 100,000.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 65.18904824

**General information** This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

**Inhalation** May cause respiratory system irritation.

**Ingestion** No specific health hazards known.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Irritating to eyes.

**Acute and chronic health hazards** This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

**Route of entry** Inhalation

**Target organs** Respiratory system, lungs

**Medical symptoms** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Toxicity** Not available.

### 12.2. Persistence and degradability

**Persistence and degradability** Not available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not available.

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### 12.4. Mobility in soil

**Mobility** Not known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not available.

### 12.6. Other adverse effects

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General** This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

### 14.1. UN number

**UN No. (ADR/RID)** 1950

**UN No. (IMDG)** 1950

**UN No. (ICAO)** 1950

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** AEROSOLS

**Proper shipping name (IMDG)** AEROSOLS

**Proper shipping name (ICAO)** AEROSOLS

**Proper shipping name (ADN)** AEROSOLS

### 14.3. Transport hazard class(es)

**ADR/RID class** 2.2

**ADR/RID label** 2.2

**IMDG class** 2.2

**ICAO class/division** 2.2

### Transport labels



### 14.4. Packing group

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Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

**EmS** F-D, S-U

**Tunnel restriction code** (E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

**National regulations** The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.

**Guidance** Workplace Exposure Limits EH40.  
CHIP for everyone HSG228.  
Safety Data Sheets for Substances and Preparations.  
Approved Classification and Labelling Guide (Sixth edition) L131.  
British Aerosol Manufacturers Code of Practice 7th. Edition 1999

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Revision comments</b>	Supplemental information added.
<b>Revision date</b>	18/11/2015
<b>Revision</b>	2
<b>SDS number</b>	12792
<b>Risk phrases in full</b>	Not classified. R23 Toxic by inhalation. R25 Toxic if swallowed. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R8 Contact with combustible material may cause fire.
<b>Hazard statements in full</b>	H229 Pressurised container: may burst if heated H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H400 Very toxic to aquatic life.

## **Sterling Leak Detector**

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 of 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.