

## SAFETY DATA SHEET

### Leak Detector

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

##### 1.1. Product identifier

**Product name** Leak Detector

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

**Identified uses** PHO20

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

**Supplier** Arctic Hayes Ltd  
 Glover Way  
 Leeds  
 West Yorkshire  
 LS11 5JP  
 T+44 (0) 113 271 5245  
 www.arctic-hayes.com  
 sales@arctic-hayes.com

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)113 271 5245 (Monday to Thursday: 8:30am to 5pm - Friday : 8:30am to 4pm)

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

**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.

##### 2.2. Label elements

###### Hazard pictograms



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

### 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> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 137-16-6	EC number: 205-281-5	REACH registration number: 01-2119527780-39
<b>Classification</b> Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318		
<b>Sodium Benzoate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 532-32-1	EC number: 208-534-8	REACH registration number: 01-2119460683-35
<b>Classification</b> Eye Irrit. 2 - H319		
<b>Sodium Nitrite</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 7632-00-0	EC number: 231-555-9	REACH registration number: 01-2119471836-27
M factor (Acute) = 1		
<b>Classification</b> Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400		

The full text for all hazard statements is 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>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Do not induce vomiting.

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<b>Skin contact</b>	Use suitable lotion to moisturise skin.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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### **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	Treat symptomatically.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire.
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### **5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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### **5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Warn firefighters that aerosols are involved. Containers close to fire should be removed or cooled with water.
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<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## **SECTION 6: Accidental release measures**

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
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### **6.2. Environmental precautions**

<b>Environmental precautions</b>	Not considered to be a significant hazard due to the small quantities used.
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### **6.3. Methods and material for containment and cleaning up**

<b>Methods for cleaning up</b>	Absorb in vermiculite, dry sand or earth and place into containers.
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### **6.4. Reference to other sections**

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Do not spray on a naked flame or any incandescent material.
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### **7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage precautions</b>	Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
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### **7.3. Specific end use(s)**

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## **SECTION 8: Exposure controls/Personal protection**

## Leak Detector

### 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.

#### SODIUM LAURYL SARCOSINATE (CAS: 137-16-6)

**DNEL** General population - Oral; systemic effects: 0.15 mg/kg  
General population - Inhalation; : 5 mg/m<sup>3</sup>

**PNEC** Fresh water; 29.7 µg/l  
marine water; 3 µg/l

#### 2-AMINO-2-METHYLPROPANOL (CAS: 124-68-5)

**DNEL** Industry - Inhalation; Long term systemic effects: 4.7 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 2.3 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 1.16 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 1.16 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 0.35 mg/kg/day

**PNEC** - Fresh water; 0.188 mg/l  
- marine water; 0.0188 mg/l  
- STP; 10 mg/l  
- Soil; 0.03 mg/kg  
- Intermittent release; 1.88 mg/l  
- Sediment (Freshwater); 0.71 mg/kg  
- Sediment (Marinewater); 0.071 mg/kg

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.
<b>Personal protection</b>	When using do not eat, drink or 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>	Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
<b>Other skin and body protection</b>	Not relevant.
<b>Hygiene measures</b>	Wash hands after handling. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

## SECTION 9: Physical and chemical properties

## Leak Detector

### 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 applicable.
<b>Relative density</b>	1.0 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<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

<b>Reactivity</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Does not decompose when used and stored as recommended.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Keep away from oxidising materials, heat and flames.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	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.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	180,000.0
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#### Acute toxicity - inhalation

<b>ATE inhalation (dusts/mists mg/l)</b>	5.65
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<b>Inhalation</b>	May cause respiratory system irritation.
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<b>Ingestion</b>	No specific health hazards known.
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<b>Skin contact</b>	Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Vapour or spray in the eyes may cause irritation and smarting.
<b>Acute and chronic health hazards</b>	Because of the product's quantity and composition, the health hazard is regarded as low. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>Route of exposure</b>	Inhalation
<b>Target organs</b>	No specific target organs known.
<b>Medical symptoms</b>	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

### SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment. 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.

#### 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

## Leak Detector

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

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 MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).  
EH40/2005 Workplace exposure limits.  
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

**EU legislation** Commission Regulation (EU) No 2015/830 of 28 May 2015.

## Leak Detector

**Guidance** Workplace Exposure Limits EH40.  
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>	12/10/2021
<b>Revision</b>	6
<b>SDS number</b>	10794
<b>SDS status</b>	Approved.
<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.

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.