

## Smoke Cartridge

# SAFETY DATA SHEET

SDS0073UK

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 2015/830

### 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name	Smoke Cartridge.
Trade Name	CLAS-003-XXX, CLAS-009-XXX (XXX denotes customer variant).
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

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

Identified use(s)	Smoke for leakage tests and air flow studies.
Uses advised against	None known.

#### 1.3 Details of the supplier of the Safety Data Sheet

Company Identification	Detectortesters (No Climb Products Ltd) Edison House 163 Dixons Hill Road Welham Green Hertfordshire. AL9 7JE. United Kingdom
Telephone	+44 (0) 1707 282760
Fax	+44 (0) 1707 282777
E-mail	SDS@detectortesters.com

#### 1.4 Emergency telephone number

Emergency Phone No.	+44 (0) 1707 282760
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### 2. SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP)	Eye Irrit. 2; Causes serious eye irritation. Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
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#### 2.2 Label elements

Hazard pictogram(s)	According to Regulation (EC) No. 1272/2008 (CLP)
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Signal word(s)	Warning.
Hazard statement(s)	H319: Causes serious eye irritation. H412: Harmful to aquatic life with long lasting effects.

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Precautionary statement(s)

P264: Wash hands thoroughly after handling.  
 P273: Avoid release to the environment.  
 P280: Wear eye protection.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P501: Dispose of contents/container to: Suitable refuse site.

**2.3 Other hazards**

None.

**2.4 Additional Information**

For full text of H/P statements see section 16.

### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

EC Classification No. 1272/2008

Hazardous ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Ammonium Chloride	40 - 60	12125-02-9	235-186-4	01-2119489385-24-0000	GHS07, Acute Tox. 4; H302, Eye Irrit. 2; H319
Potassium Chlorate	20 - 40	3811-04-9	223-289-7	01-2119494917-18-0000	GHS03, Ox. Sol. 1; H271, GHS07, Acute Tox. 4; H302, H332, GHS09, Aquatic Chronic 2; H411

#### 3.2 Additional Information

For full text of H/P statements see section 16.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation

Remove person to fresh air and keep comfortable for breathing.

Skin Contact

Wash skin with soap and water.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Unlikely route of exposure. Wash out mouth with water.

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

None anticipated.

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

Unlikely to be required but if necessary treat symptomatically.

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### 5. SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing Media**  
Suitable Extinguishing Media Extinguish with water.  
Unsuitable Extinguishing Media Do not use foam, carbon dioxide or dry agent.
- 5.2 Special hazards arising from the substance or mixture** Combustion may cause toxic fumes.
- 5.3 Advice for fire-fighters** In case of major fire and large quantities: A self contained breathing apparatus should be worn.

### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures** Wear protective gloves/eye protection.
- 6.2 Environmental precautions** Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up** Collect mechanically and dispose of according to Section 13.
- 6.4 Reference to other sections** See Also Section: 8, 13.

### 7. SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Wash hands thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Keep only in the original container in a cool, well ventilated place away from moisture.  
Storage Temperature Ambient.  
Storage Life Stable under normal conditions.  
Incompatible materials Incompatible with organics.
- 7.3 Specific end use(s)** Smoke for leakage tests and air flow studies.

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Ammonium Chloride	12125-02-9	-	10	-	20	Fume

Source: WEL: Workplace Exposure Limit (UK HSE EH40)

- 8.1.2 Biological limit value** Not established.
- 8.1.3 PNECs and DNELs** Not established.
- 8.2 Exposure controls**  
**8.2.1 Appropriate engineering controls** Provide adequate ventilation.  
**8.2.2 Personal protection equipment**  
Eye/face protection  
Not normally required. If eye contact is likely: Wear protective eyewear (goggles, face shield, or safety glasses).



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Skin protection (Hand protection/ Other)      Wear suitable gloves if prolonged skin contact is likely.



Respiratory protection



No personal respiratory protective equipment normally required.

Thermal hazards

Not applicable.

### 8.2.3 Environmental Exposure Controls

Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Solid (Article).
Colour	White.
Odour	Odourless.
Odour Threshold	Not applicable.
pH	Not applicable.
Melting Point/Freezing Point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash Point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Solubility(ies)	Not applicable.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	>200°C
Decomposition Temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

## 10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Keep away from heat and flame.
10.5 Incompatible materials	Incompatible with organics.
10.6 Hazardous Decomposition Product(s)	No hazardous decomposition products known.

## 11. SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity	Low acute toxicity.
Skin corrosion/irritation	Non-irritant.
Serious eye damage/irritation	Eye Irrit. 2; Causes serious eye irritation.
Respiratory or skin sensitization	It is not a skin sensitiser.

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<b>Germ cell mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	None anticipated.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	None anticipated.
<b>11.2 Other information</b>	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
<b>12.2 Persistence and degradability</b>	Part of the components are biodegradable.
<b>12.3 Bioaccumulative potential</b>	No information available.
<b>12.4 Mobility in soil</b>	No information available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Dispose of contents/container to: Suitable refuse site.
<b>13.2 Additional Information</b>	Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

<b>14.1 UN number</b>	Not applicable.
<b>14.2 UN Proper Shipping Name</b>	Not applicable.
<b>14.3 Transport hazard class(es)</b>	Not applicable.
<b>14.4 Packing Group</b>	Not applicable.
<b>14.5 Environmental hazards</b>	Not applicable.
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

### 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
Authorisations and/or restrictions on use	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XVII restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles	All chemicals are not listed.
REACH: ANNEX XIV list of substances subject to authorisation	All chemicals are not listed.
Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
<b>15.1.2 National regulations</b>	None known.
<b>15.2 Chemical Safety Assessment</b>	Not available.

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### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

#### Hazard Statement(s)

H271	May cause fire or explosion; strong oxidiser.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

#### Disclaimers

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#### Annex to the extended Safety Data Sheet (eSDS)

No information available.