

## 1 Identification of the preparation and the supplying Company

1.1 Drain Smokes

1.2 To be used for generating smoke for marking airflows.

1.3 Killgerm Chemicals Ltd, Wakefield Road, Ossett, West Yorkshire, WF5 9AJ.

Tel: +44 (0)1924 268450 Fax: (0)1924 265033 Email: [technical@Killgerm.com](mailto:technical@Killgerm.com)

1.4 Emergency telephones.

Medical professionals should use National Poisons Information Service Tel: 0870 600 6266.

Killgerm Chemicals Ltd Tel: 01924 268452 (Office hours)

Non-medical professionals should seek information by contacting NHS on 111

## 2 Hazards identification

### 2.1. Classification of the substance or mixture in accordance with Regulation (EC) 1272/2008

Acute toxicity, Oral; Category 4 – H302.

Aquatic chronic toxicity; Category 3 – H412

### 2.2. Label elements



WARNING

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.

### Precautionary statements

P102 Keep out of reach of children

P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking

P260 Do not breathe smoke

P273 Avoid release to the environment

P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.

P370+P378 In case of fire: Use water spray to extinguish.

P371+P380+P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

### 2.3. Other hazards

Ignites readily. Product burns without a flame to give a dense white harmful smoke.

## 3 Composition and information on ingredients

### 3.2. Mixtures

#### Hazardous Components in Product

Ingredient Name	Classification	Concentration	H Phrases
Potassium Chlorate CAS: 3811-04-9 EC: 223-289-7	Ox. Sol. 1 Acute Tox. 4 Aquatic Chronic 2	> 2.50 < 25.00	H271 H302 + H332 H411

See section 16 for full text of H phrases and hazard classification of ingredients.

#### **4 First Aid measures**

##### **4.1. Description of first aid measures**

Ingestion (swallowing): Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact: Wash off with soap and plenty of water. Consult a physician.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**4.2. Most important symptoms and effects, both acute and delayed:** No data available.

**4.3. Indication of any immediate medical attention and special treatment needed.** No data available.

#### **5 Fire-fighting measures**

##### **5.1. Extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use high volume water jet.

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

Dangerous gases are evolved in the event of a fire. Product contains potassium chlorate an oxidising agent.

##### **5.3. Advice for fire-fighters**

In the event of fire, wear self-contained breathing apparatus. Remove product from areas of fire, or otherwise cool containers with water. Avoid releasing fire-fighting water into surface water, drains and ground water

#### **6 Accidental release measures**

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

Keep people away from the affected area.

Avoid dust formation.

Avoid contact with spilled product or contaminated surfaces.

When dealing with a spillage do not eat, drink or smoke

##### **6.2. Environmental precautions**

Do not allow to get into surface water, drains and ground water.

If spillage enters drains leading to sewage works inform local water company immediately.

If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

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

The nature of this product is that when contained in commercial packs, makes spillage unlikely. However, if significant amounts are spilled nevertheless, the following advice is applicable. Clean contaminated floors and objects thoroughly observing environmental regulations. Sweep up or vacuum up spillage and collect in suitable container for disposal.

##### **6.4. Reference to other sections:**

Information regarding safe handling, see section 7.

Information regarding personal protective equipment, see section 8.

Information regarding waste disposal, see section 13.

**7 Handling and storage**
**7.1. Precautions for safe handling**

Avoid dust formation. Dust may form explosive mixture in air

Ensure adequate ventilation.

When using, do not eat, drink or smoke.

Remove soiled clothing immediately and clean thoroughly before using again.

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet or applying cosmetics. If necessary take a shower.

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

Keep away from direct sunlight.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from food, drink and animal feedingstuffs.

**7.3. Specific end use(s):** Refer to the label and/or leaflet.

**8 Exposure controls and personal protection**
**8.1. Control parameters**

The product does not contain substance(s) with occupational exposure limit values.

**8.2. Exposure controls**

Where exposure may occur engineering, controls should be employed. A risk assessment should be carried out and the following PPE may be appropriate /required.

PPE	USING THE PRODUCT	CLEARING SPILLAGE
Respirators	Respirator (EN149FFP1) with a protection factor 4 particle filter.	
Gloves	Nitrile gloves (minimum thickness 0.40mm)	Nitrile gloves (minimum thickness 0.40mm)
Overall	Wear standard coverall and type 4 chemical suit	Wear standard coverall and type 4 chemical suit
Goggles/ Face shield	Goggles (EN166)	Goggles (EN166)

**9 Physical and chemical properties**
**9.1. General information**

Appearance: Off-white Powder

Odour: odourless

pH: data not available

Density: data not available

Flammability: data not available

Boiling point/boiling range: not applicable

Vapour density: data not available

Vapour pressure: data not available

Melting point/freezing point: not applicable

Solubility in water: partly soluble in water

Solubility in other solvents:  
Explosive properties:  
Combustibility: no data available  
Oxidising properties: oxidising agent, may assist combustion  
Evaporation rate: not applicable  
Partition coefficient: not applicable  
Decomposition temp: no data available  
Auto-ignition temp: no data available

## 10 Stability and reactivity

**10.1. Reactivity:** Stable under normal

**10.2. Chemical stability:** Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions:** No hazardous reactions when stored and handled according to prescribed instructions.

**10.4. Conditions to avoid:** Extremes of temperature and direct sunlight. Heat, flames and sparks

**10.5. Incompatible materials:** Store only in the original container

**10.6. Hazardous decomposition products:** No decomposition products expected under normal conditions of use

## 11 Toxicological information

### 11.1 Information on toxicological effects

(a) acute toxicity; LD<sub>50</sub> Oral - rat - 730 mg/kg – altered sleep time, changes in righting reflex, muscle contraction or spasticity and irritability may be observed.

(b) irritation; severe skin irritation (rabbit) and moderate eye irritation

(c) corrosivity; no data available

(d) sensitisation; no data available

(e) repeated dose toxicity; no data exposure

(f) carcinogenicity; not applicable

(g) mutagenicity; no data available

(h) toxicity for reproduction; no data available

### 11.2 Other data

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12 Ecological information

**12.1. Toxicity:** no data available

**12.2. Persistence and degradability:** not readily biodegradable

**12.3. Bio accumulative potential:** no data available

**12.4. Mobility in soil:** no data available

**12.5. Results of PBT and vPvB assessment:** Results not available as chemical safety assessment not required/not conducted

**12.6. Other adverse effects:** harmful to aquatic organisms

## 13 Disposal considerations

### 13.1. Waste treatment methods

**Product:**

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

Advice may be obtained from the Environment Agency(www.environment-agency.gov.uk) in England and Wales or SEPA(www.sepa.org.uk) in Scotland. To be disposed of as hazardous waste (must comply with the Hazardous waste regulations 2005 when disposing)

**Packaging:**

To be disposed of as hazardous waste (must comply with the Hazardous waste regulations 2005)

**14 Transport information**

**14.1. UN number:** n/a

**14.2. UN proper shipping name:** n/a

**14.3. Transport hazard class(es):** n/a

**14.4. Packing group:** n/a

**14.5. Environmental hazards:** n/a

**14.6. Special precautions for user:** n/a

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** n/a

**15 Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Further information WHO-classification: III (Slightly hazardous)

This product has been classified in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

**15.2. Chemical safety assessment:** Advice on product handling can be found in sections 7 and 8.

A Chemical Safety Assessment is not required for this substance.

**16 Other information****Text of the hazard statements mentioned in Section 3**

Ox. Sol. 1; Oxidising solid category 1

Acute Tox. 4; Acute toxicity category 4

Aquatic Chronic 2; Aquatic Chronic toxicity category 2

H271 May cause fire or explosion; strong oxidiser

H302 Harmful if swallowed.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

The above information is intended to give general health and safety guidance on the storage and transport of the product.

This data sheet does not constitute a COSHH assessment.

The information contained within this data sheet is strictly for general guidance only and should not be relied upon over and above this. This data sheet is intended to provide general health and safety guidance on the handling, storage and transportation of the preparation. The information provided in this data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted by Killgerm Chemicals Ltd for any loss, injury or damage arising from any failure to comply with the information and advice contained within this data sheet and/or failure to comply with the manufacturer's guidelines, product label data and any associated technical usage literature.

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