

# Material Safety Data Sheet

Information Required for Substances for Use at Work (C.O.S.H.H.)

## SMOKE PELLETS

### 1. Identification of the Substance / Preparation and the Company / Undertaking.

Product Name: FUMAX range of smoke emitters.

Part Numbers: **1470F**

Distributor: Monument Tools Ltd  
Restmor Way  
Hackbridge  
Surrey SM6 7AH

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Use: Flue Testing.

### 2. Composition / Information on Ingredients.

These Smoke emitters are a preparation, the active ingredients carry certain risk phrases which are shown below. Smoke emitters are chiefly used for flue testing. Correctly used the smoke may be said to be non toxic.

Active Ingredients	U.N. No.	Risk Phrase	Content %	Symbols	Chemical Symbol
Potassium Chlorate	1485	R9-20/22	20 - 40	O, Xn	KClO <sub>3</sub>
Ammonium Chloride	N/A	R22-36	30 - 50	Xn, Xi	NH <sub>4</sub> Cl

Other substances include: Milk Sugar (Lactose).  
Paraffin Oil.  
Combustible Organic Fillers.

### 3. Hazards Identification.

Inhalation of smoke may be irritating to respiratory system. Prolonged exposure to smoke in high concentration is harmful and can cause shortness of breath, headache, nausea and unconsciousness.

Smoke may cause eye irritation.

Ingestion of the capsule or the powder is harmful and can cause nausea, abdominal pain and unconsciousness. Blood disorder may occur. Liver and kidney injury may occur which may be delayed.

#### **4. First Aid Measures.**

- Inhalation of Smoke: Fresh Air, rest. In cases of breathing difficulties or nausea, obtain medical attention. Take Data Sheet with you.
- Eye Contact: Flush with water.
- Skin Contact: Wash thoroughly with soap and water.
- Ingestion: Give water if victim is completely conscious and alert. Call a physician.
- If Swallowed: If capsule or powder has been swallowed give water or milk. Call a physician.

#### **5. Fire Fighting Measures.**

- Auto-ignition Temperature: 250°-270°C. When burning, the capsule will produce large amounts of smoke at a constant rate. Use copious amounts of water to quench.
- Safety Fire Fighting Equipment: Normal.
- Other Fire Fighting Hazards: Nil.

#### **6. Accidental Release Measures.**

- Contamination Cleanup: Collect separately and dispose of as in Section 13.
- Environmental: Waste or unused products must not be released into the drainage system or into natural waterways.

#### **7. Handling & Storage.**

Store in a cool, dry place away from combustible material. Keep away from flammable substances, heat, sparks and open flame. Keep out of reach of children.

Keep away from food and drink of any kind.

#### **8. Exposure Controls / Personal Protective Equipment (PPE).**

##### **Breathing Protection:**

When handling in the appropriate manner, the wearing of protective equipment is not required. Avoid breathing in dense smoke. If ventilation is insufficient use a fine class P2 dust mask. Wear breathing apparatus if entering confined spaces or working in high smoke concentrations for prolonged periods.

##### **Hygienic Levels, particles/m<sup>3</sup> in Surrounding Air:**

See national exposure limits.

##### **Hygiene:**

Wash hands and face with soap and water before eating or drinking.

## ***9. Physical and Chemical Properties.***

Colour: White or yellow capsule with black seal.  
Smell: Minimal.  
Appearance: Polyethylene capsule containing a hard pressed powder.  
Ignition Point: 250° - 270°C.

## ***10. Stability and Reactivity.***

Capsule: Stable at recommended storage.  
Smoke: Stable in normal atmospheric conditions.

## ***11. Toxicological Information.***

General Information:  
Not tested for toxicology.  
No personal hazard can be foreseen provided the product is handled with due care and full attention. Do not smoke while handling.  
Hazardous Chemicals:  
Potassium Chlorate.  
Ammonium Chloride.

## ***12. Ecological Information.***

General Information:  
Not tested for eco-toxicology.  
Hazardous Chemicals:  
Potassium Chlorate.  
Ammonium Chloride.

## ***13. Disposal Considerations.***

Used Products:  
Dispose of in accordance with local regulations.  
Burnt out capsules can normally be disposed of together with household refuse.  
Unused or Damaged Products:  
National: Shall be disposed acc. to: SFS 2001:1063. EWC-cod 16 03 04.  
Europe: Shall be disposed acc. to EWC-cod 16 03 04.

## **14. Transport Information.**

The products are not classified as dangerous goods acc. to ADR/RID/IMO/DGD.

Tests Performed According To:

UN - Recommendations Transport Of Dangerous Goods, Model Regulations,  
UN - Recommendations Transport Of Dangerous Goods Test and Criteria.

## **15. Regulatory Information.**

R and S-Phrases are only for compliance for product ingredients and do not apply to the generated smoke.

Gas analysis is available on request.

Product contains potassium chlorate and ammonium chloride.

R-Phrases:

R9 - Explosive when mixed with combustible material.

R20/22 - Harmful by inhalation and if swallowed.

R22 - Harmful if swallowed.

R36 - Irritating to eyes.

S-Phrases:

S13 - Keep away from food, drink and animal foodstuffs.

S25 - Avoid contact with eyes.

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S38 - In case of insufficient ventilation wear suitable respiratory equipment.

## **16. Other Information.**

The information contained in this Material Safety Data Sheet is considered correct at the time of writing but no assurance can be given that this information is complete. It is therefore in the users own interests to ensure that the information given is sufficient for the purpose for which the product is being used.