

ROTHENBERGER (UK) LIMITED  
 2 Kingsthorpe Park, Henson Way,  
 Kettering, Northants NN16 8PX  
 Telephone: 01536 310300  
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 Email: info@rothenberger.co.uk

**WHITE SMOKE PELLETS**

**1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY**

**1.1 Product Name:** WHITE SMOKE PELLETS  
**1.2 Use:** A smoke generation pellet for the marking of air flows, for theatrical or special effects  
**1.3 Product Code:** PH001, 67043R, PHDB001, PHIMX001, PHB006, PHA006, 67041R, PH007, 67042R, PH008 PH118  
**1.4 Address:** ROTHENBERGER (UK) LIMITED  
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**2. COMPOSITION & INFORMATION ON INGREDIENTS**

**2.1 HAZARDOUS INGREDIENTS<sup>1</sup>**

Name	CAS NO.	%(w/w)	Symbols	Health Risk Phrases
Potassium Chlorate	003811-04-9	12.0	O, Xn	R9 R20/22
Fuel		12.00	Xn	R22
Smoke			Xn	R22-36

**3. HAZARD IDENTIFICATION**

Ignites readily, burns without flaming, giving dense white harmful smoke.  
 Harmful if swallowed.  
 Smoke irritating to eyes

**4. FIRST AID MEASURES**

**4.1 Inhalation of Product:** In severe cases, remove patient from smoke exposure. If recovery is not rapid or complete seek medical attention.

The following apply to the unburned product.

**4.2 Skin:** Take off immediately all contaminated clothing. Wash skin with water, followed by soap and water. If large areas of the skin are effected or if irritation arises seek medical attention.

**4.2 Eyes:** Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain medical attention.

**4.3 Ingestion:** If swallowed, rinse mouth and drink immediately two or more glasses of water or milk. Seek medical attention and show this Data Sheet, if possible.

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**5. FIRE FIGHTING MEASURES**

Ignites readily.  
Oxidising agents will assist combustion.  
Keep fire exposed containers cool by spraying with water

**5.1 Extinguishing Media:** Use large volumes of water as a spray or fog, avoid use of water jet. Contain run – off water with for example temporary earth barriers

**5.2 Fire Fighting Protective Equipment:** A self contained breathing apparatus and full protective clothing must be worn in fire conditions.

**6. ACCIDENTAL RELEASE MEASURES**

**No Naked Lights. No Smoking**

Ensure suitable personal protection during removal of spillage's. This means wearing eye protection, chemically resistant gloves, boots and coveralls. Transfer to a container for disposal. Wash the spillage area with water. Due to the potassium chlorate content, washings must be prevented from entering surface water or drains. When spillage's or uncontrolled discharge's into watercourses occur, the National River Authority must be alerted.

**7. HANDLING AND STORAGE**

**Read the instructions before use.**

**7.1 Handling precautions:** Do not breath smoke. Avoid contact with eyes and skin. Wash hands before meals and after work. When using do not eat, drink or smoke.

**7.2 Storage:** Keep away from food, drink and animal feeding stuffs, keep out of reach of children, keep in original container, tightly closed in a safe place, keep away from heat and sources of ignition. Store in a cool dry place.

**7.3 Storage Life:** Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperature.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

When using this product refer to the instructions for details.

Should it be necessary to enter a heavily smoke laden area, protective respiratory equipment and eye protection must be used (see HSE Guidance Booklet (HS) G53: "Respiratory Protective Equipment – a practical guide for users")

**8.1 Exposure controls for hazardous components.**

STEL Hazardous Ingredients	LTEL ppm	8hr TWA mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Smoking Agent	-	10	-	20

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Appearance:**

**Form:** Pellet      **Colour:** Off-white      **Odour:** Odourless

**9.2 Safety related information**

pH	:	Not applicable
Boiling point/boiling range	:	Not applicable
Melting point/melting range	:	Not applicable
Flash point	:	Does not flash
Autoflammability	:	>130°C
Explosive properties	:	Not applicable
Oxidising properties	:	Oxidising agent will assist combustion
Vapour pressure	:	Not available
Relative density	:	Not available
Solubility in water	:	Partially soluble
Partition coefficient	:	Not applicable

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**10. STABILITY AND REACTIVITY**

**10.1 Stability:** Stable under normal conditions

**10.2 Hazardous reactions:** Ignites readily

**10.3 Hazardous decompositions product(s):** Combustion or thermal decomposition may evolve harmful vapours.

**11. TOXICOLOGICAL INFORMATION**

The Health Hazard assessment is based on information available on similar products.

**Inhalation:** Smoke irritating to respiratory tract

**Skin Contact:** Possible risk of skin irritation

**Eye Contact:** Composition and combustion product may cause eye irritation.

**Ingestion:** Harmful if swallowed.

Lowest LD50 of chemical constituents of composition 1260mg/kg (oral rat)

**12. ECOLOGICAL IMPACT**

**TOXICITY**

This ecological assessment is calculated from data available on the components of the formulation.

Harmful to aquatic organisms

Un-burned composition is non-selectively toxic to plants.

Not readily biodegradable

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**13. WASTE DISPOSAL**

**Applies to unburned product**

Do not contaminate ponds, waterways or ditches with chemical. Dispose of product according to the requirements of the "Environmental Protection Act 1990". Empty containers should not be used for other purposes.

Disposal should be in accordance with local, state or national legislation.

**14. TRANSPORT INFORMATION**

**UNNO:** Not applicable

**UN Pack Group:** Not applicable

**ROAD & RAIL TRANSPORT (ADR/RID)**

Not subject to the provisions of ADR

**SEA TRANSPORT (IMO)**

None hazardous

**AIR TRANSPORT (ICAO)**

Not restricted

**15. REGULATORY INFORMATION**

Users should ensure that they comply with any relevant local, state or national legislation.

**EU Classification:** HARMFUL

**Hazard Symbol:** Xn

**Risk Phrases:** R22 Harmful if swallowed

R36 Irritating to the eyes

**Safety Phrases:** S2 Keep out of reach of children

S13 Keep away from food, drink and animal feeding stuffs.

S16 Keep away from sources of ignition – no smoking

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

**UK Regulatory Information:** Health and Safety at Work act 1974

The Control of Substances Hazardous to Health Regulations 1994, may apply to this product

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**16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with Commission Directive 93/112/EEC, 67/548/EEC and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the PH Products Limited product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the PH Products Limited Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 88/379/EEC.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state scientific and technical knowledge at the date indicated on the present SDS. PH Products Limited shall not be held responsible for any defect in the product covered by this SDS should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Please note: for customers PH Products Limited products in regions other than the European Union, the Safety Data Sheet will reflect the requirements of existing local legislation. This may result in a different format and presentation of hazard classification information.