

# PEA SOUP LIMITED

## PRODUCT SAFETY DATA

### 1. Identification of the substance / preparation and company

PRODUCT NAME : SMOKE GRENADE

### 2. Composition / information on ingredients

#### PRODUCT DESCRIPTION

A smoke generation compositions, in the form of smoke grenades, pellets or loose powder, for the marking of air flows, for outside fire or public order training etc.

Product Code(s) : PH025C, PH018, PH018B, PH018S

HAZARDOUS INGREDIENTS(S)	CAS NO	%(w/w)	Symbol	R Phases
Potassium Chlorate	003811-04-9	22.0	O,Xn	R9 R20/22

### 3. Hazards Identification

Ignites readily, burns without flaming, giving dense coloured smoke.  
Harmful if swallowed.

### 4. First Aid Measures

Inhalation of product In severe cases, remove patient from combustion exposure. If recovery is not rapid or complete seek medical attention.

The following apply to the unburned product.

Skin Contact: 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.

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

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.

## 5. Fire-Fighting Measures.

Ignites readily.

Oxidising agents will assist combustion.

Keep fire exposed containers cool by spraying with water.

- 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.
- 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 spillages. 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 spillages or uncontrolled discharges into watercourses occur, the National Rivers Authority must be alerted.

## 7. Handling and Storage

### 7.1 Handling

Read the instructions before use.

Although the smoke is not classified as hazardous, avoid excessive inhalation. Avoid contact with eyes. 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 dry place.

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

## 8. Exposure Controls / 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 must be used (see HSE Guidance Booklet (HS) G53: “Respiratory Protective Equipment – a practical guide for users”).

### Occupational Exposure Limits

STEL HAZARDOUS INGREDIENT(S)	LTEL 8hr TWA			
	PPM	mg/m <sup>3</sup>	ppm	mg/ m <sup>3</sup>
Smoke dye		10	-	20

## 9. Physical and Chemical Properties

Appearance	:	Coloured pellet, powder or cylindrical cardboard smoke grenade.
Odour	:	Odourless
PH	:	Not applicable
Boiling point	:	Not applicable
Melting point	:	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 (water)	:	Partially soluble
Partition coefficient	:	Not applicable

## 10. Stability and Reactivity

Stability	:	Stable under normal conditions
Hazardous reactions	:	Ignites readily
Hazardous decomposition products	:	Combustion or thermal decomposition may evolve harmful vapours.

## 11. Toxicological Information

The health hazard assessment is based on information available on similar products.

Inhalation	:	Low risk, possible irritation 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 LD<sub>50</sub> of chemical constituents of composition 1260mg/kg (Oral Rat).  
LD<sub>50</sub> oral rat of Smoke Dye 5000 mg/kg. No skin irritation. No eye irritation.

**12. Ecological Information**

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.

**13. Disposal Considerations**

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**

UN No : Not applicable  
Un Pack Group : Not applicable

AIR

ICAO/IATA Class  
primary : Not restricted

SEA

IMDG Class  
primary : Non hazardous

Marine Pollutant

Proper Shipping Name :

ROAD/RAIL

ADR/RID Class : Not subject to the provisions of ADR

## 15. Regulatory Information

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

EU Classification : Coloured smoke compositions are NOT classified as dangerous substances for supply or conveyance under international regulations.

However Concept Engineering Limited does give the following safety advise.

- 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.

UK Regulatory Information : Health and Safety at Work act 1974  
: The Control of Substances Hazardous to Health Regulations 1994, may apply to this produce.

## 16. Other Information.

This data sheet was prepared in accordance with Directive 91/155/EEC

The information on this sheet is not a specification. It does not guarantee specific properties. The information is intended to provide general guidance to health and safety based upon our knowledge of the handling, storage and use of the product. It is not applicable to unusual or no-standard uses of the product nor where instructions and recommendations are not followed.