

# Rocket Smoke Fluid Aerosol Canister

Health & Safety Data – MSDS – Reviewed May 2023

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

Name: Rocket Smoke Fluid Aerosol Canister - liquid contents Pea Soup Smoke Fluid Type A  
 Manufactured/Supplied by: Pea Soup Limited, 3 Thornwood Ave, Ingleby Barwick TS17 0RS United Kingdom  
 Emergency Telephone: +44 (0)1642 769952 Fax: +44 (0)20 7100 7526 Email: support@smokemachines.net

## 2. Hazards Identification

The liquid contents are not considered a hazardous substance according to Regulation (EC) no 1272/2008  
 The liquid contents are not classified as dangerous according to Directive 67/548/EEC  
 The liquid contents are not generally regarded as hazardous in normal conditions of handling and use.

As a pressurised aerosol, no hazard pictogram is required for shipment with the EC.

Label Elements:

For shipping within the US the following GHS04 (Compressed Gas) pictogram applies.



## 3. Composition/information on ingredients

Chemical - A mixture of pharmaceutical grade Glycerine (>50%) and Deionised Water (<50%)  
 Exposure - 10 mg/m<sup>3</sup>  
 CAS - 56-81-5 / 7732-18-5  
 REACH - Exempted

## 4. First Aid measures

| Exposure Route                | Symptom                          | Treatment  |
|-------------------------------|----------------------------------|--|
| Inhalation                    | Irritation of Breathing Passages | Remove from Exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete, seek medical attention.  |
| Skin Contact                  | Mild irritation                  | Drench the skin with plenty of water. Remove contaminated clothing and wash before re-use. If a large area of the skin is damaged or if irritation persists, seek medical attention. |
| Eye Contact                   | Mild irritation                  | Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.  |
| Ingestion                     | Mild irritation if swallowed     | Wash out mouth with water. In large quantities. Do not induce vomiting. Give water to drink. If patient feels unwell, seek medical attention.  |
| Immediate treatment/Antidote: |                                  | Symptomatic treatment.   |

## 5. Fire Fighting Measures

Suitable Extinguishers – Water mist, alcohol resistant foam, dry powder, CO<sub>2</sub>.  
 Hazardous Combustion Products – Oxides of carbon  
 Special Equipment for Fire Fighting – Self contained breathing apparatus.

## 6. Accidental Release Measures

Safety Precautions – Wear appropriate PPE – see section 8  
 Environmental Precautions – Prevent entry of large spillages into drains and water courses.  
 Clean up Procedure – Bind or absorb material with sand, earth or other suitable absorbent material. If possible, transfer to a salvage tank, otherwise absorb residues and place in suitable labelled containers and hold for waste disposal. Wash spill site with plenty of water after material has been taken up.

## 7. Handling & Storage

Handling Ventilation: General Ventilation  
 Storage Temperature Range: Ambient  
 Humidity range: Dry.  
 Keep away from: See section 10  
 Suitable storage media: Store in original containers

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### 8. Exposure Controls/Personal Protection

Exposure Limits: 10 mg.m<sup>3</sup>, 8h TWA Type:OES  
Monitoring Method: As mist

#### Protective Measures

Respiratory protection: Unlikely to be required in normal use. For heavy / repeated users see note below  
Hand: Gloves  
Eye: Goggles  
Skin: Overalls and boots  
Hygiene Measures - Always wash thoroughly after handling chemicals.

The smoke produced by Pea Soup's smoke generators has been rigorously tested to ensure that in normal conditions it is non toxic. Independent health and safety reports (available on request) indicate that dense smoke concentrations can be entered without any serious health risk for short periods of time. We do nevertheless recommend the following;

- persons who are asthmatic or suffer from a respiratory complaint are not subjected to dense smoke concentrations
- the use of suitable PPE in the event of extended exposure or repeated exposure to such environments (fire trainers for example) Pea Soup recommend the 3m 6000 facemask with 2 x 2135 p3 particulate filters, or similar
- if used in conjunction with live fires, where, by definition there is the potential for products of combustion to be formed, along with other hazards (unburnt propane etc), self contained breathing apparatus (SCBA) should always be worn.

### 9. Physical & Chemical Properties

Appearance Colourless liquid  
PH Neutral  
Boiling Point/range Ca. 290°C  
Melting Point/range Ca. 18°C, solidifies at a much lower temperature.  
Flash Point 177°C  
Autoignition temperature 400°C  
Vapour Pressure <0.01 mbar @ 20°C; <1 mbar @ 100°C  
Relative density 1262 Kg/m<sup>3</sup> @ 20°C  
Solubility in water Miscible  
Solubility in solvent Miscible with ethanol, slightly soluble in acetone, insoluble in ether and in chloroform.  
Partition coefficient -2.6  
Viscosity Ca. 1300 mPa.s @ 20°C

### 10. Stability & Reactivity

Stability: Stable in normal conditions  
Known Hazardous reactions: Violent or explosive reactions with some oxidising agents  
Conditions to avoid: Moisture, extremes of temperature  
Materials to avoid: Strong oxidising agents  
Hazardous decomposition products: Thermal decomposition may release acrolein.

### 11. Toxicological Information

Effects: Low oral toxicity. Slightly irritating to rabbit skin and eyes; unlikely to cause irritation in humans.

### 12. Ecological Information

Environmental Effects  
Mobility: Soluble in Water  
Degradability: Biodegradable. BOD5 / COD : 0.87 / 1.16 gO2/g  
Aquatic Toxicity: LC50, fish > 5000 mg/1; IC50, algae > 2900 mg/1; EC50, bacteria > 10000mg/1

### 13. Disposal Considerations

Substance: Via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.  
Container: As substance

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### 14. Transport Information

The goods are classified as Aerosols and are therefore considered hazardous because of the nature of the pressurised canister. The propellant within the canister is inert nitrogen.

Aerosols are classified as UN1950, Hazard Class 2.2. Normally shipped as “limited quantities”

The chemical contents are not classified by IMDG as a marine pollutant.

By Air: UN1950, Aerosols, Non Flammable, 2.2  
By Sea /Road (Multimodal) UN1950, Aerosols, 2.2, “Ltd Qty”, (ADR5A). All inners less than 1 litre capacity  
For further information or guidance please contact Pea Soup (support@smokemachines.net)

### 15. Regulatory Information

|                       |                                      |
|-----------------------|--------------------------------------|
| Supply label details: | CLP                                  |
| Label name:           | Glycerine / Rocket / Smoke Fluid A   |
| Symbol                | No risk or safety phrases stipulated |
| Risk phrases          | No risk or safety phrases stipulated |
| Safety phrases        | No risk or safety phrases stipulated |

For US only: Compressed gas warning Pictogram – warning - contains gas under pressure – may explode if heated.



Users are advised to consult these regulations for further information. The information contained in this data sheet does not constitute an assessment of workplace risks.

### 16. Other Information

Further details may be available upon request from Pea Soup Ltd.

**Legal Disclaimer** The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to this information.

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