Pea Soup Limited Tel: +44 (0)1642 769952 Fax +44 (0)20 7100 7526 Email: support@smokemachines.net

Micro Rocket Smoke Fluid

Health & Safety Data – MSDS – Reviewed May 2023

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade Name:	Micro Rocket Smoke Fluid
Article Number:	Not Available
Application of substance / preparation:	Air flow tracing / special effects
Details of supplier of safety data sheet:	Pea Soup Ltd, Unit 3 Thornwood Ave, Ingleby TS17 0RS UK
Tel:	01642 769952
Email:	support@smokemachines.net

2. Hazards Identification

Not a hazardous substance according to Regulation (EC) no 1272/2008
This substance is not classified as dangerous according to Directive67/548/EEC
Not generally regarded as hazardous in normal conditions of handling and use.
This product does not need to be labelled in accordance with EC directives or respective national laws

3. Composition/information on ingredients

CAS	Description	%
57-55-6	USP propane glycol-1,2-diol	≤50.0%
56-81-5	USP glycerol	<10.0%
7732-18-5	Water, distilled, conductivity or of similar purity	≥40.0%

4. First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints*(Refer to section 8 – In concentrations associated with visualisation, for durations <10min, no respiratory / eye protection required).
- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eyed for several minutes under running water
- **After swallowing:** If symptoms persist consult doctor

5. Firefighting measures

- **Suitable extinguishing agents:** Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Protective equipment:** Mouth respiratory protective device.

6. Accidental release measures

- **Personal precautions, protective equipment & emergency procedures:** Mount respiratory protective device.
- **Environmental precautions:**
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water
- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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7. Handling and storage

Handling:

- **Precautions for safe handling** keep receptacles tightly sealed.
- **Information about protection against explosions and fires:** Keep ignition sources away – Do not smoke

Storage:

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
  Store away for foodstuffs
  Store away from flammable substances
- **Further information about storage conditions:** Keep receptacle tightly sealed

8. Exposure controls/personal protection

Exposure Limits: CAS 57-55-6 / 56-81-5	10 mg.m³, 8h TWA Type: OES
Monitoring Method:	As mist
Protective Measures	
Respiratory protection:	Unlikely to be required in normal use – see below
Hand:	Gloves
Eye:	Goggles
Skin:	Overalls and boots
Hygiene Measures:	Always wash thoroughly after handling chemical

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.

In the concentrations typically required for Micro Rocket applications, no respiratory protection would be required, although we do recommend in general terms that those suffering from asthma or with a severe respiratory condition should not be subjected to artificial smoke / fog from any device

9. Physical and chemical properties

General Information	
• **Appearance:**	
Form:	Liquid
Color:	Transparent
Odour:	Odourless
Odour threshold:	Not available
• **pH-value:**	Not available
• **Change in condition**	
Melting point/Melting range:	Not available
Freezing point:	Not available
Boiling point/Boiling range:	Not available
• **Flash point:**	Not available
• **Flammability (solid, gaseous):**	Not available
• **Auto-Ignition temperature:**	Not available
• **Decomposition temperature:**	Not available
• **Explosion limits:**	
Lower:	Not available
Upper:	Not available

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• **Vapour pressure:**	Not available
• **Density:** **Relative density** **Vapour density** **Evaporation rate**	Not available Not available Not available Not available
• **Solubility in / miscibility with water:**	Not available
• **Partition coefficient (n-octanol/water)**	Not available Not available
• **Viscosity:** **Dynamic:** **Kinematic:**	 Not available Not available

10. Stability and reactivity

- **Reactivity:** No decomposition if used according to specification.
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11. Toxicological information

- **Acute toxicity:**

LD/LC50 values that are relevant for classification:
57-55-6 USP propane glycol-1,2-diol

Oral	LD50	20000 mg/kg (rat)
Dermal	LD50	20800 mg/kg (rabbit)

56-81-5 USP glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)

Primary irritant effect:

- **On the skin:** Irritating effect possible
- **One the eye:** Irritating effect possible
- **Sensitization:** Sensitization possible through skin contact

Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specification, the product does not have any harmful effects according to our experience and the information provided to us.

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer**
    None of the ingredients is listed
  - **NTP (National Toxicology Program)**
    None of the ingredients is listed

12. Ecological information

Toxicity

- **Aquatic toxicity:** No further relevant information available

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- **Persistence and degradability:** No further relevant information available
- **Bio-accumulative potential:** No further relevant information available
- **Mobility in soil:** No further relevant information available

Additional ecological information:

- **General notes** Water hazard class 1 (self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. Disposal considerations

Waste treatment methods

- **Recommendation:** Smaller quantities can be disposed of with household waste.

Uncleaned packages

- **Recommendation:** Disposal must be made according to official regulations.
- **Recommend cleansing agent** Water, if necessary with cleansing agents.

14. Transportation information

Non hazardous for shipping / transportation

UN-Number
- **DOT, IMDG, IATA** Not applicable

UN proper shipping name
- **DOT, IMDG, IATA** Not applicable

Transport hazard class(es)
- **DOT, IMDG, IATA**
- **Class** Not applicable
- **Packing Group**
- **DOT, IMDG, IATA** Not applicable

Environmental hazards:
- **Marine pollutant:** No
- **Special precautions for user** Not applicable
- **EMS Number** Not applicable
- **Trade name** Pea Soup Micro Rocket (fog machine for flow visualisation, special effects) Smoke Fluid
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

15. Regulatory information

Supply label details:	CLP
Label name:	Micro Rocket Smoke Fluid
Symbol	No risk or safety phrases stipulated
Risk phrases	No risk or safety phrases stipulated
Safety phrases	No risk or safety phrases stipulated

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

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