



# MATERIAL SAFETY DATA SHEET

## Angel Fire Flame Paste

Issue date: 7<sup>th</sup> January 2011 (version 2)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Angel Fire Flame Paste  
**Application:** Speciality  
**Company:** Le Maitre Ltd, 6 Forval Close, Wandle Way, Mitcham, Surrey, CR4 4NE, England  
**Email:** todd.stoneham@lemaitreltd.com  
**In case of emergency:** UK +44 (0) 208 6462222 USA +44 (0) 512 451-4392

### 2. HAZARDS IDENTIFICATION

**Main hazards:** Highly flammable. Toxic by inhalation, in contact with skin and if swallowed.  
**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

### 3. COMPOSITION / INFORMATION ON COMPONENTS

Hazardous ingredients	CAS-nr	EINECS	w/w %	Symbol	R-phrases
Methanol	67-56-1	200-659-6	99+%	T F	11 23/25

### 4. FIRST AID MEASURES (if exposed to contents)

**General Advice:** The usual precautions for handling chemicals should be observed. If any symptoms should occur, seek medical advice.  
**Contact with eyes:** Flush immediately with water for 15 minutes, then seek medical attention if required.  
**Contact with skin:** Wash with soap and water. Seek medical attention if any skin irritation persists.  
**Inhalation:** Get fresh air and seek medical assistance if breathing is difficult.  
**Ingestion:** Rinse mouth thoroughly with water and seek immediate medical attention. Do not give anything by mouth if patient is unconscious.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** Use foam, carbon dioxide or dry agent.  
**Fire fighting procedures:** Keep container(s) exposed to fire cool, by spraying with water.  
**Special protective equipment:** Self contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Protective clothing, protective gloves, safety goggles. Extinguish all ignition sources. Ensure adequate ventilation.  
**Environmental precautions:** Do not allow to enter public sewers and watercourses.  
**Cleaning methods:** Absorb spillage in suitable inert material.

### 7. HANDLING AND STORAGE

**Handling procedures:** Use only in well ventilated areas  
Avoid contact with heat, sparks and flame.  
Do not breathe vapour or gas.  
Avoid contact with skin and eyes.  
**Storage procedures:** Store in ventilated area away from heat, sparks and flame.  
Keep out of reach of children. Keep in original container.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (during use)

**Control procedures:** Ensure adequate ventilation. Keep away from heat and sources of ignition.  
**Eye protection:** Safety glasses are recommended.  
**Protective clothing:** Wear suitable protective gloves.  
**Respiratory protection:** Where an inhalation risk exists, wear an organic vapour respirator.  
**Hygiene:** Wash hands and clothes after use or spill. Do not eat or drink when handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/colour/state/odour:</b>	Colourless liquid. Alcoholic odour.
<b>Boiling point/range:</b>	64.7°C
<b>Flash point:</b>	11°C
<b>Explosive properties:</b>	6% - 36%
<b>Relative density:</b>	Not available.
<b>pH:</b>	Not available.
<b>Vapour pressure:</b>	128mm Hg @ 20°C
<b>Relative vapour density:</b>	1.1
<b>Solubility in water:</b>	Miscible
<b>Auto-ignition:</b>	470°C
<b>Viscosity:</b>	Not available.
<b>Evaporation rate:</b>	Not available.

Flame Gel
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## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Conditions to avoid:</b>	High temperatures, incompatible materials, ignition sources, oxidisers.
<b>Incompatibility (Materials to avoid):</b>	Oxidising agents, acids and strong alkalis.
<b>Hazardous decomposition compounds:</b>	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, formaldehyde.

## 11. TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Toxic by inhalation. Inhalation of vapour can cause headache, nausea, central nervous system effects and visual impairment, possibly blindness.
<b>Ingestion:</b>	Toxic if swallowed. Ingestion can result in nausea, vomiting, severe abdominal pain, back pain, and central nervous system effects which could proceed to coma and death.
<b>Skin contact:</b>	Contact with skin can result in defatting and moderate irritation.
<b>Eye contact:</b>	A moderate eye irritant. May cause watering of the eyes, stinging or blurred vision and sensitivity to light.
<b>Other information:</b>	No experimental data available.

## 12. ECOLOGICAL INFORMATION

**General information:** If released to the atmosphere methanol degrades via reaction with photochemically produced hydroxyl radicals. It is expected to biodegrade in both soil and water. If spilt on soil it is expected to be susceptible to significant leaching, as well rapid evaporation from dry surfaces is likely to occur. Chronic aquatic toxicity possible above 32 ppm. Aquatic toxicity: Arthropoda toxicity No effect level (Daphnia) is 10 g/L/48 hours. Fish toxicity: TLm (Trout) is 8000 mg/L/48 hours. Amphibian toxicity: LD<sub>50</sub> (frog) = 59 gm/kg.

## 13. DISPOSAL CONSIDERATIONS

**National regulations:** Disposal should be in accordance with local, state or national legislation.

## 14. TRANSPORT

<b>UN number:</b>	1230
<b>Road/Rail – ADR/RID:</b>	UN1230, Methanol, Class 3, Subsidiary risk Class 6.1, PGII
<b>Sea – IMDG:</b>	UN1230, Methanol, Class 3, Subsidiary risk Class 6.1, PGII. <b>EmS:</b> F-E, S-D
<b>Air – IATA/ICAO:</b>	UN1230, Methanol, Class 3, Subsidiary risk Class 6.1, PGII. <b>Packing instr.</b> 307

## 15. REGULATORY INFORMATION

<b>Risk and Safety Phrases:</b>	RISK PHRASES
	R11 Highly flammable. R23/25 Toxic by inhalation and if swallowed.
	SAFETY PHRASES
	S2 Keep out of reach of children. S7 Keep container tightly closed.
	S16 Keep away from sources of ignition – No smoking. S24 Avoid contact with skin.

## 16. OTHER INFORMATION

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from Le Maitre Ltd. *Version 2*