

# Material Safety Data Sheet

## Magic Flame™ Jelled Methanol Chafing Fuel

Scientific Utility Brands Int'l., Inc.  
**Magic Flame™**

### Section 1 --- Product Identification

Product Name:	<b>Magic Flame™ Jelled Methanol Chafing Fuel: MF001, MF003, MF004, MFFS001, MFFS003</b>
Product type, description:	A jelled methyl alcohol food warming fuel.
CAS Number:	Not applicable – product is a mixture. Packages: 85g cans ( 144, 72 cans/carton), 200g cans (72, 48, 12 cans/carton), and 2500g, 3000g cans (6 cans/carton)
Supplier:	Scientific Utility Brands International, Inc. 1673 Richmond Street, Suite 110, London, ON, Canada, N6G 2N3 Tel: (519) 472-1441 Fax: (519) 657-8622
Emergency Telephone Number:	CHEMTREC: 1-800-424-9300 (24 Hours) CANUTEC: 1-613-996-6666 (24 Hours) All medical emergencies, call your local Poison Control center.
Date Prepared:	January 1, 2014

### Scientific Utility Brands International, Inc.

urges the customer receiving this Material Safety Data Sheet (MSDS) to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety, you should:

- (1) Notify your employees, agents, and contractors of the information on this sheet, and
- (2) Furnish a copy to each of your customers to inform their employees and customers as well.

### Section 2 --- Ingredients/Identity

COMPOSITION	CAS #	%	TLV (Units)
Methyl Alcohol	67-56-1	71	200 ppm

### Section 3 --- Physical and Chemical Characteristics

Appearance and Odor:	blue jell, methyl alcohol/fish odor	Vapor pressure:	N/A
Density:	0.85 g/cm <sup>3</sup>	Vapor Density:	N/A
Solubility in Water:	Moderate	Boiling Point:	N/A
PH:	7.5~8.5	Freeze/Melt Point:	N/A

### Section 4 --- Fire and Explosion Hazard Data

Flash Point (PMCC):	Tag Closed Cup 12.2°C/ 54°F
Autoignition Temperature:	@745mm Hg: 477°C/890.6°F
Extinguishing Media:	CO <sub>2</sub> , dry chemical, Foam.
Special Firefighting Procedures:	No known toxic combustion products or special fire fighting hazards. Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires. Do not use high pressure stream of water to extinguish burning material.
Unusual Fire & Explosion Hazard:	Closed can exposed to flame and heat may erupt, scattering burning fragments.

### Section 5 --- Reactivity Data

This product is stable. Hazardous polymerization will not occur.	
Incompatible Materials:	Heat, open flame, Strong Oxidizers
Hazardous Decomposition Products:	None known.

### Section 6 --- Health and Hazard Information

<b>Emergency Overview:</b> Methanol is toxic if ingested. Oral LD50 (Rat) is 15 gm/kg (methanol) Flammable solid, jelled methanol and is blue in appearance.		
<b>Precautionary Labeling:</b> Danger Poison – Contains methyl alcohol. Keep away from children. Cannot be made nonpoisonous, Unburned vapor harmful. May be fatal or cause blindness. If swallowed <b>DO NOT</b> induce vomiting - Recent Amendment. Call physician for help. Caution flammable mixture. Do not use near fire or flame.		
<b>Ingestion:</b> Possible Alcoholic breath CNS depression, possible convulsions or coma.		
<b>Inhalation:</b> Burn product in a well ventilated area. Avoid breathing unburned vapors.		
<b>Eyes:</b> Eye irritant upon direct contact.		
<b>Skin:</b> May cause skin irritation upon prolonged contact.		
<b>First Aid Measures:</b>		
<b>Ingestion:</b> <b>DO NOT</b> Induce vomiting if victim is conscious. Drink water, milk or 4% sodium bicarbonate solution. Immediately contact doctor and poison center. Harmful or fatal if swallowed. Can cause blindness		
<b>Inhalation:</b> Seek fresh air and take slow deep breaths. Drink some sips of water. If coughing persists, contact poison center or doctor.		
<b>Eyes:</b> Flush eye with large amounts of warm water for 15 minutes. If irritation persists, contact poison center or doctor.		
<b>Skin:</b> Remove and isolate contaminated clothing. Flush exposed area with warm water for 15 minutes. If irritation persists, contact poison or doctor.		
<b>Hazardous Materials Identification System (HMIS)</b>	Hazard Rating: Least-0 Slight-1 Moderate-2 High-3 Extreme-4	
Health: 3	Flammability: 3	Reactivity: 0

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### Section 7 --- Accidental Release or Spill Procedures

Steps to be taken if material released or spilled:

Remove all sources of ignition. Provide adequate ventilation. Absorb on vermiculite, paper or other absorbent. Flush spill area with water.

### Section 8 --- Special Protection Information and Control Measures

**General Controls:** Avoid contact with skin and eyes. Provide adequate ventilation in area of use.

**Protective Clothing:** The use of eye protection (goggles) and rubber gloves is recommended.

**WARNING:** HARMFUL IF SWALLOWED. KEEP OUT OF THE REACH OF CHILDREN

**Precautionary Labeling:** Poison. Contains methyl alcohol, vapor harmful, may be fatal or cause blindness if swallowed. CAUTION: Flammable mixture. Do not use near fire or flame. Cannot be made non-poisonous. Keep away from children.

### Section 9 --- Handling, Storage and Transportation

**Handling:** Avoid contact with skin and eyes. Do not ingest. Place can in fuel holder or under chafier before lighting. Burn can in a level upright position. Keep away from combustibles (e.g. paper plates and napkins). Keep away from children.

**Storage:** Store in a cool dry place (4~49°C or 40~120°F). Provide adequate ventilation in area of use. Store away from sources of heat or open flame. Keep container closed when not in use.

**Transportation:**

TDG Classification:

Dangerous good in Limited Quantity of Class 4.1, UN 3175, PG II Flammable Solid, Organic, N.O.S., (Contains Methanol), 4.1, UN 3175, II, Limited Quantity

DOT Classification:

ORM-D – Consumer Commodity ORM-D

Class 4.1, UN 3175, PG II; Flammable Solid, Organic, N.O.S., (Contains Methanol)

### Section 10 --- Toxicological, Ecological Information & Disposal Consideration

**Toxicological Information:** No information is available at this time.

**Ecological Information:** No information is available at this time.

**Disposal Consideration:** Note: the purchaser is responsible for proper waste disposal of empty, partial, or full cans. Any disposal practice must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water, or onto the ground.

### Section 11 --- Regulatory Information

WHMIS(Canada) B2, D1A

**OSHA:** This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1900.1200).

**RCRA (40 CFR 261, Subpart D):** Methyl alcohol is listed as a RCRA Hazardous waste No. U154.

**Clean Water Act:** None of the OSHA regulated components in this product are Section 311 listed chemicals.

**SARA:** Section 301~304 (Threshold Planning Quantity – TPQ) 40 CFR 355: No TPQ for any OSHA regulated component. Section 313: (Toxic chemical release reporting) 40 CFR 372: The following chemicals must be reported under SARA 313: Not applicable to any OSHA regulated component.

**CERCLA:** Section 102 (Reportable Quantity – RQ) 40 CFR 302: The RQ for Methyl Alcohol is 5000 lbs. Releases greater than or equal to this amount must be reported to the National Response Center (NRC) immediately.

The information and recommendations contained herein are to the best of Scientific Utility Brands International, Inc's knowledge and belief, accurate and reliable as of the date issued. Scientific Utility Brands International, Inc. does not warrant or guarantee their accuracy or reliability, and Scientific Utility Brands International shall not be liable for any loss or damage arising out of the use thereof. The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for their particular use.

The Hazardous Materials Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by Scientific Utility Brands International, Inc. in order provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these ratings systems, together with Scientific Utility Brands International, Inc. interpretation of the available data.

**Scientific Utility Brands International, Inc.**