

SAFETY DATA SHEET *For All Methanol Jelled Packages*
BLAZE JELLED METHANOL/*GB Series* CHAFING DISH FUEL

Blaze Products Corporation urges the customer receiving this Safety Data Sheet (SDS) 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.

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING

1.1. Product identifier

Product name	Blaze Jelled Methanol Chafing Dish Fuel All Blaze GB Series Methanol Fuel
Synonym(s)	Jelled Methanol (<i>Limited Quantity</i>) GB200 Flammable Solids, Organic, N.O.S. (contains jelled Methanol)
CAS number	67-56-1
EC number	
Index number	
REACH Registration number	

1.2. Relevant identified uses of the substance and uses advised against

Applications	A jelled alcohol fuel for warming food, in chafing dishes only. The fuel is jelled Methanol. Keep out of reach of children and pets.
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1.3. Details of the supplier of the safety data sheet

Name	BLAZE Products Corporation
Address	P. O. Box 1409 Shelbyville, Kentucky 40066-1409
Telephone	(502) 633-0650
Contact	Chemtrec 1-800-424-9300 or 703-527-3887

1.4. Emergency telephone number

Telephone	<u>USA</u> : 24 hr Emergency Assistance: 1-800-424-9300 day or night <u>Outside the continental United States</u> : 1-703-527-3887 (collect calls accepted). (CHEMTREC)
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2. HAZARDS IDENTIFICATION

2.1.1. Classification of the mixture according to the directive 1999/45/EEC (DPD)




<i>Flam. Sol. 1</i>	<i>H228 Flammable Solid</i>
T; TOXIC	TOXIC : Danger of very serious irreversible effects, such as blindness through inhalation, in contact with skin and if swallowed.

2.1.2. Classification of the mixture according to the regulation (EC) no. 1272/2008 (CLP)

Flam. Sol. 1	H228 Flammable Solid
Acute Tox. 3	H301 Toxic if swallowed
Acute Tox. 3	H311 Toxic in contact with skin.
Acute Tox. 3	H331 Toxic if inhaled.
STOT SE1	H370 Causes damage to organs.

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2.2. Label elements according to the regulation (EC) no. 1272/2008 (CLP)

Hazard pictograms	  
	GHS 02 Flame GHS 06 Skull & crossbones GHS 08 Health Hazard
Signal word	Danger
Hazard statements	GHS02 Danger GHS06 Acute Toxic 3 GHS08 Health Hazard (causes damage to organs) H228 Flammable Solid H301 Toxic if swallowed H311 Toxic in contact with skin H331 Toxic if inhaled H370 Health Hazard
Precautionary statements – Prevention	P101 If medical advice is needed, have product container or label on hand. P102 Keep out of reach of children. P103 Read label before use. P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P260 Do not breathe dust/fumes/gas/mist/vapors/spray.
Precautionary statements – Response	P301 + P310 If swallowed: immediately call a poison center (1-800-222-1222) or a doctor/physician. P303 + P361 + P353 If on skin or hair: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 If inhaled: Move victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if worn and easy to do. Continue rinsing. P307 + P311 If exposed: Call a poison center or doctor/physician. P370 + P378 In case of fire, use for extinguishing: CO2, powder or water spray.
Precautionary statements – Storage	P403 + P235 Store in a well-ventilated place. Keep cool. P233 Keep container tightly closed.
Precautionary statements – Disposal	P501 Dispose of contents/container as hazardous or special waste in accordance with <i>local and national regulations</i> .



HEALTH	2
FLAMMABILITY	3
REACTIVITY	0

2.3. Other hazards

WHMIS symbols:



B4 – Flammable Solid.



D1A – Very toxic material causing immediate or serious toxic affects.



D2A – Very toxic material causing other toxic affects.

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Name	CAS-Nr.	EC-Nr.	Index-Nr.	[%]	Classification DSD/CLP	Specific concentrations limit
Methanol	67-56-1	200-659-6	603-001-00-X	<74.8	<i>Flam. Liq 2 ; H225 Acute Tox. 3 ; H331 Acute Tox. 3 ; H311 Acute Tox. 3 ; H301</i>	<i>STOT SE 1; H370: C = 10 % STOT SE 2; H371: 3 % = C < 10 % STOT SE 1 ; H370</i>
Acetone	67-64-1	200-662-2	606-001-00-8	Trace	-	-
Denatonium Benzoate	3734-33-6	223-095-2	-	Trace	-	-

4. FIRST AID MEASURES**4.1. Description of first aid measures**

After eye contact	Remove contact lenses if worn. Hold eye lids open and flush with water for 15 minutes. Call physician if irritation persists.
After skin contact	Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. If skin irritation continues, consult a doctor.
After inhalation	Move individual to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration.
After ingestion	If victim is conscious, rinse out mouth and give two glasses of water. Do not induce vomiting. Call a physician or Poison Control Center: 1-800-222-1222 immediately. Never give anything by mouth to an unconscious person.
General Remark	Any doubt, seek medical attention and show container label.

4.2. Most important symptoms and effects, both acute and delayed

See 4.1.
SWALLOWING: **TOXIC**. Can cause irreversible effects, such as blindness.
EYES: Can cause severe irritation, redness, tearing.
SKIN: Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis.
BREATHING: Toxic by inhalation of vapors can cause nasal and respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Effects may be delayed. Administration of ethanol may inhibit metabolism.

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5. FIREFIGHTING MEASURES

- 5.1. Extinguishing media** In case of fire: Use water, water mist or carbon dioxide for extinguishing.
- 5.2. Special hazards arising from the substance or mixture** Closed *cans that are* exposed to flame and heat may erupt scattering burning fragments.
- 5.3. Advice for fire-fighters** Wear self-contained respiratory protective device. Wear fully protective suit.
- Additional Information** Cool endangered receptacles with water spray.
Flash Point: Tag closed cup 54°F (12.2°C)
Ignition Temperature: 430°F

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures** Keep away from fire and other ignition sources. Ventilate the area. Wear suitable protective clothing. No smoking.
- 6.2. Environmental precautions** Do not allow to enter sewers/surface of ground water.
- 6.3. Methods and material for containment and cleaning up** Absorb spilled material using paper, floor absorbents, or other absorbent material.
- 6.4. Reference to other sections** See precautions in section 7 for information on safe handling. See section 8 for information on personal protective equipment. See section 13 for disposal information.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling** Keep away from fire and other ignition sources. Ventilate the area. Take precautionary measures against static discharge. Use only non-sparking tools. Do not smoke. Handle in accordance to national and regional regulations.
- 7.2. Conditions for safe storage, including any incompatibilities** Keep container tightly closed and store in a cool (40-120°F or 4-49°C), well-ventilated place. Keep away from heat/sparks/open flame/hot surfaces/direct sunlight. Keep cool. No smoking.
- 7.3. Specific end use(s)** This is a jelled alcohol fuel for warming food in chafing dishes only.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Compound	TLV (units): Threshold Limit	PEL: Permissible Exposure Limit
Methanol	200 ppm (skin)	200 ppm (skin)
Acetone	1000 ppm	1000 ppm

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8.2. Exposure controls

Respiratory protection: Not required under normal conditions of use.

Hand protection: *Not required under normal conditions of use. Wash hands with soap & water immediately after cleaning up spilled product or wear gloves to clean up area.*

Eye protection: *Not required under normal conditions of use.*

Body protection: *Not required under normal conditions of use.*

Hygiene measures: Wash hands after handling products. *Not to be consumed.*

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information of basic physical and chemical properties

Physical state	<i>Methanol Solid Jell</i>
Colour	Blue
Odour	Alcohol odour
Odour threshold	Not applicable
pH	Not applicable
Freezing point	Not applicable
Boiling point	<i>77°F (170.6°C)</i>
Flash point	Tag Closed 54°F (12.2°C)
Flammability	Flammable
Auto flammability	845.6°F (452°C)
Upper/lower flammability or explosive limits	Not applicable
Explosive properties	No
Oxidizing properties	Not applicable
Vapour pressure	Not applicable
% volatile by volume	98%
Vapour density (AIR = 1)	Not applicable
Relative density	Not applicable
Density	Not applicable
Specific gravity (H2O=1) at 80° F	Not applicable

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Solubility in water	Mostly soluble
Partition coefficient (n-octanol/water)	Not applicable
Decomposition temperature	Not applicable
Viscosity	Not applicable

9.2. Other information

No other information

10. STABILITY AND REACTIVITY

10.1. Reactivity	Generally stable
10.2. Chemical stability	Generally stable
10.3. Possibility of hazardous reactions	Hazardous polymerisation will not occur
10.4. Conditions to avoid	Heat, open flame, direct sunlight, <i>and consumption.</i>
10.5. Incompatible materials	Strong oxidizers
10.6. Hazardous decomposition materials	None known

11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Likely routes of exposure: skin and eye contact and inhalation.

Symptoms: symptoms of persons exposed to this material include, headache, nausea, dizziness, drowsiness, and drying or defatting of skin.

Acute toxicity	Inhalation: Rat LC _{LO} – 64000 ppm/4H Intraperitoneal: Rat LD ₅₀ – 9540 mg/kg Oral: Human LD _{LO} – 340 mg/kg Man LD _{LO} – 13 gm/kg Mouse LD ₅₀ – 870 mg/kg Rat LD ₅₀ – 5628 mg/kg Intravenous: Mouse LD ₅₀ – 5673 mg/kg Subcutaneous: Mouse LD ₅₀ – 9800 mg/kg Skin: Rabbit LD ₅₀ – 20 gm/kg Unreported: Man LD ₅₀ – 868 mg/kg
Skin corrosion/irritation	Human (eyes) – 5ppm Prolonged or repeated contact can cause moderate irritation, defatting and dermatitis.
Serious eye damage/irritation	Rabbit (eye) – 40 mg (moderate) Can cause severe irritation, redness and tearing
Skin sensitization Unreported	Rabbit LD ₅₀ – 20 gm/kg Man LD _{LO} – 868 gm/kg

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Germ cell mutagenicity	Not classified.
Carcinogenicity	This product is not reported to have any carcinogenic affects.
Reproductive toxicity	Not classified.
STOT-single exposure	Not classified.
STOT-repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2. Other information

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation.

Ingestion: Swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION


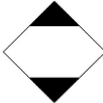

12.1. Toxicity	96 hr. LC ₅₀ – Lepomis macrochirus (bluegill) – 15,400 mg/l. NOEC – oryzias latipes – 7.900 mg/l – 200 hr. 48 hr EC ₅₀ – Daphnia magna (waterflea) – 10,000 mg/l. 98 hr Growth inhibition EC ₅₀ – Scenedesmus Capricomutum (algae) – 22,000 mg/l.
12.2. Persistence and degradability	Readily biodegradable
12.3. Bioaccumulative potential	Does not bioaccumulate. Partition coefficient (n-octanol/wate) Log Pow – (-0.77)
12.4. Mobility in soil	This product is not mobile in soil.
12.5. Results of PBT and vPvB assessment	This substance is not considered to be persistent, bisaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
12.6. Other adverse effects	Biochemical Oxygen Demand (BOD): 600-1,120 mg/g Chemical Oxygen Demand (COD): 1,420 mg/g

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods	Recycling/disposal <i>in a safe manner</i> according to national and regional regulations. Do not allow product to reach sewage system.
13.2. List of CER codes	Allocation of the waste code numbers according EC Directive 91/692/EEC must be realized under considerations of existing sector specifics and processes.

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14. TRANSPORT INFORMATION

	Overland transport (ADR/RID)	River transport (ADN)	Sea transport (IMDG)
14.1. DOT Classification USA Domestic (All BLAZE GB Series except GB200)		Consumer Commodity ORM-D	
		CONSUMER COMMODITY 	
14.3. DOT Classification International (All BLAZE GB Series except GB200)	UN1325, Flammable solid, organic, N.O.S. (contains jelled Methanol), 4.1.,PG II, LTD.QTY		
			
		Marine pollutant: No Tunnel Restrictions: Code (E) Flashpoint: 12.2°C	
14.2. DOT Classification USA & International for GB200 are over 1 kg.	UN1325, Flammable solid, organic, N.O.S. (contains jelled Methanol), 4.1.,PG II Emergency Guide #133		
			
		ADR, IMDG	
		Marine pollutant: No Tunnel Restrictions: Code (E) Flashpoint: 12.2°C	
14.5. Environmental hazards	Marine pollutant: No		
14.6. Special precautions for user	Warning; Flammable Solids		
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.		

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Regulation

Components present in this product at a level which could require reporting under the statute (Section 313) are:
Methanol (CAS 67-56-1): 74.8%

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US Federal regulations 200 Proof Ethanol
SARA Section 311/312 Hazard Classes:
Fire hazard
Delayed (chronic health hazard)
Immediate (acute) hazard
Sara 313: Methanol (CAS 67-56-1) – 74.8%

TSCA Information:
All components in this product are in compliance with TSCA Inventory Requirements.
CERCLA: Methanol has been designated as hazardous substance with an RQ of 5000 lbs.

15.2. Chemical safety assessment

International regulations Canada
Methanol (CAS 67-56-1)
Listed on the Canadian DSL (Domestic Substances List).
WHMIS Classification:
Class B Division 2 – Flammable Solid
Class D-1B: Toxic (acute effects), Class D-2B: Skin and eye irritant

EU-Regulations
Ethyl alcohol (64-17-5)
Listed on the EEC Inventory EINECS (European Inventory of Existing Commercial Chemical Substances). (200-659-6)

Classification according to Regulation (EC) No. 1272/2008 (CLP): Not classified.

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC (DPD): Not classified.

16. OTHER INFORMATION

16.1. Indications on the revision

SDS revised on 7/13/2015: Addition of all fields as required by regulations 1907/2006/EC and 453/2010/EC.

16.2. Abbreviations and acronyms used

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on inland waterways.

ADR/RID: European Agreement concerns the International Carriage of Dangerous Goods by Road/
Regulations concerning the international carriage of dangerous goods by rail.

CAS Nr.: Chemical Abstract Service Number

CERCLA: Comprehensive Environmental Response Compensation and Liability Act

CLP: Classification, Labeling and Packaging

DOT: US Department of Transportation (USA)

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DSD: Dangerous Substance Directive
DPD: Dangerous Preparation Directive
EC Nr.: European Commission Number
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
HMIS: Hazardous Material Identification System (USA)
IATA: International Air Transport Associations
IMDG: International Maritime Dangerous Goods code
NFPA: National Fire Protection Association (USA)
PBT: Persistent, Bioaccumulative, Toxic
TSCA: Toxic Substance Control Act
UN Nr.: United Nations Number
vPvB: very Persistent and very Bioaccumulative
WHMIS: Workplace Hazardous Materials Information System (Canada)

16.3. Key literature references and sources for data Vendor SDS

16.4. Methods of evaluation for the classification of mixtures Vendor SDS

16.5. List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements not listed in section 2

H phrases:

H228 Flammable Solid
H301 Toxic if swallowed
H311 Toxic in contact with skin
H331 Toxic if inhaled
H370 Causes damage to organs

This information is based on our present knowledge and is provided according to the relevant EC and national regulations. This information is intended as a characterization of the product in order to provide guidance for the relevant safety issues. However, this document does not provide any warranty, expressed or implied, regarding the properties of the product.

No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices *and/or standard operation procedures listed on packaging & website.*

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