

flomatic ltd

143-149 Bath Road . KETTERING . Northants . NN16 8NE . U K

Telephone numbers for customer services about this product:

00 44 1536 481 977 (U K)

1 Identification of the substance/preparation and supply company

Product Name: **BLAZE** Ethanol Gel Chafing Fuel (*all forms*)

Suppliers: Flomatic Ltd . 143- 149 Bath Road . KETTERING . Northants . NN16 8NE

Emergency Telephone Numbers for Chemical Emergency, Spill, Leak, Fire, Exposure or Accident:**Outside U K: 00 44 1536 481 977 or Freephone 0800 597 7448 (within U K)**
Out of office hours: U K: 00 44 7747 072 060

2 Composition/Information on ingredients

Product type/General information: A jellified preparation of methyl alcohol [methanol] in colloidal form.

<u>Composition</u>	<u>CAS RN.</u>	<u>%</u>	<u>TLV (units)</u>
Ethanol	64-17-5	67	1000 ppm
Methanol	67-56-1	3-4	200 ppm
Acetone	67-64-1	2.0	100 ppm
Denatonium Benzoate	3734-33-6	Trace	-----

3 Hazards Information

Physical	Highly flammable
Eyes	May cause irritation
Skin	May cause irritation
Ingestion	May cause gastrointestinal discomfort.
Inhalation	May cause irritation to respiratory tract.

4 First-aid measures

Route of exposure	Symptom	Treatment
Ingestion		Give plenty of water to drink. <i>Seek medical assistance.</i> Never give anything by mouth to an unconscious person.
Eyes	Irritation.	Thoroughly irrigate with warm water for 15 minutes or so. If symptoms persist, seek medical advice.
Skin	Irritation	Wash exposed area well with soap and water. If symptoms persist, seek medical advice.
Inhalation		Remove victim to fresh air. Seek medical advice.

5 Fire and explosion hazard data and fire-fighting measures

Flash Point (Method)	54°F (12.2°C) Tag closed cup
Ignition Temperature	430°F (221°C)
Extinguishing Media	CO ₂ foam, alcohol-resistant foam, dry chemical, water mist or fog, sand or dolomite.
Special Firefighting Procedures	Containers close to the fire should be removed immediately or cooled with water. Move containers from fire area if this can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. 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	Heat may cause the containers to explode. Solvent vapours may form explosive mixtures with air and may travel considerable distance to source of ignition and flash back. May ignite at high temperatures. Vapours may form explosive mixture with air at room temperature.
Specific hazards	Fire creates carbon monoxide (CO) and carbon dioxide (CO ₂)

6 Accidental release measures

Environmental Protection	Do not allow product to reach sewerage system or water bodies. Prevent from spreading. Inform respective authorities if reaches water or sewerage systems.
Spillage	Large amounts must be removed by shovel. Flush spillage area with plenty of water.
Disposal	Dispose of contaminated material as waste according to 13 below.

7 Handling and Storage

Handling	Ensure good ventilation at the workplace. Keep breathing apparatus available. Avoid spillage and contact with skin and eyes. Avoid inhalation of any fumes.
Storage	Open and handle container with care. Store in cool, dry location with good ventilation. Store any bulk product only in its original container. Keep container closed and well sealed at all times when not in use. Store away from oxidising agent and acids. Bulk material (contents of containers) may attack some plastics materials, rubber and paint.

8 Exposure controls/personal protection

Exposure	Ensure good ventilation/exhaustion. Occupational exposure limits is 1000 ppm in air A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.
Personal Protection	General protective and and hygienic measure: Keep away from beverages and food. Wash hands before breaks and after work.

9 Physical and chemical properties

Appearance / Odour	Pink-red gel, alcohol odour
Flash point	16°C, Tag closed cup.
Flammability	Highly flammable.
Density	0.84 gms/cc at 25°C
% by wt. non-volatile	0.5
Boiling Point	79°C
Viscosity	3570 μ @ 25°C
Solubility in Water	Good, fully miscible in water
pH	7.0 - 8.0

10 Stability and reactivity

Stability	Stable under normal conditions.
Conditions to avoid	Fire, heat, sparks, open flame and static electricity.
Materials to avoid	Oxidising materials.
Hazardous decomposition products	None known

11 Toxicological information

Ethyl alcohol: orl-rat LD50 : 7060 mg/Kg: ihl-rat LC50: 20,000 ppm/10H

Effects of overexposure	Acute; see Hazard Identification. Chronic; Ethyl alcohol, mutation data cited. Reproductive effects data cited. Tumorigenic data cited. Not listed as carcinogenic by IARC, NTP or OSHA.
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12 Ecological information

Mobility	This product is fully miscible in water. Prevent spreading. Be aware of water intakes and do not allow undiluted product or large quantities of it to ground water bodies or sewerage systems. If this should happen, inform authorities and warn possible users. However, modest amounts of material, if released to soil, will evaporate.
Degradability	Biodegradable.
Accumulation	Not applicable.
Environmental effects	No lasting effects.

13 Disposal considerations

Material	Dispose of waste and residues in accordance with local authority requirements. Do not allow to reach sewage system.
Container	Cleaning agents: water, with cleaning agent if necessary. Fully burnt (exhausted) container/tin may be treated as general waste.

14 Transport information

Land transport

U N No	1170
ADR Class	Class 3 ; inflammable gel.
Number/Letter	17D
Designation of goods	Chafing Dish Fuel

Maritime transport

IMDG/GGVS/E Class	3.2
Page	3087
U N No.	1170
EMS No.	3-06
MFAG	306

15 Regulatory information

EPA TSCA Status	On TSCA Inventory Hazard Category for SARA Section
311/312 Reporting	Acute
Risk phrases	R1 Highly flammable
Safety phrases	S1/2 Keep locked up and out of reach of children Keep containers tightly closed S16 Keep away from sources of ignition. No smoking in vicinity. S24 Avoid contact with skin S44 In case of indisposition, seek medical advice; show label if possible. S38 If effective ventilation is not possible, wear suitable respiratory equipment

16 Other information

Recommended uses and restrictions As a heating fuel for keeping food warm and hot in such devices as chafing dishes, fondues or camping "stoves".

Disclaimer:The above information is based on the state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the quality or the specification of the product. No warranty is given if the product is used for any other purpose other than that suggested, recommended or declared on the product label or brochure. The user must satisfy him/herself that the product is entirely suitable for his/her purpose.