

# flomatic ltd

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

## BWFCU Dublin Ltd

1 Ardeen . LUCAN . Co Dublin . Ireland

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Telephone numbers for customer services about this product:

00 44 1536 481 977 (U K) or 00 353 1 610 0602 (Ireland)

### 1 Identification of the substance/preparation and supply company

Product Name: **HOT STUFF** DEG (wick) Chafing Fuel *(all forms)*

Suppliers:

|      |                                                                       |          |                                                    |
|------|-----------------------------------------------------------------------|----------|----------------------------------------------------|
| U K: | Flomatic Ltd<br>143- 149 Bath Road<br>KETTERING<br>Northants NN16 8NE | Ireland: | BWFCU Dublin Ltd<br>1 Ardeen<br>LUCAN<br>Co Dublin |
|------|-----------------------------------------------------------------------|----------|----------------------------------------------------|

**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**  
Out of office hours: Ireland: **00 353 87 6202 601**

### 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> |
|-------------------------|----------------|----------|
| Diethylene Glycol [DEG] | 111-46-6       | 99%      |

### 3 Hazards Information

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eyes</b>       | May cause moderate irritation, redness, lachrymosity                                                                                                                                                                         |
| <b>Skin</b>       | Essentially non-irritating.                                                                                                                                                                                                  |
| <b>Ingestion</b>  | Small amounts, not likely to cause injury; however, larger amounts may cause serious injury, even death. For humans, the oral lethal dose is 1.2 per Kg. Cause: adverse effect on kidneys. Practically non-toxic to animals. |
| <b>Inhalation</b> | Unlikely; no information is available.                                                                                                                                                                                       |

### 4 First-aid measures

| Route of exposure | Symptom | Treatment                                                                                                                     |
|-------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion</b>  |         | If victim is conscious, give two glasses of water and induce vomiting immediately by sticking finger down throat. <i>Seek</i> |

|                   |             |                                                                                                     |
|-------------------|-------------|-----------------------------------------------------------------------------------------------------|
|                   |             | <i>immediate medical assistance.</i> Never give anything by mouth to an unconscious person.         |
| <b>Eyes</b>       | Irritation. | Thoroughly irrigate with warm water for 15 minutes or so. If symptoms persist, seek medical advice. |
| <b>Skin</b>       |             | Wash exposed area well with soap and water. Remove contaminated clothing and launder before re-use. |
| <b>Inhalation</b> |             | Move victim to fresh air and treat symptomatically.                                                 |

## 5 Fire and explosion hazard data and fire-fighting measures

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing Media</b>                  | CO <sub>2</sub> foam, alcohol-resistant foam, dry chemical, water mist or fog, sand or dolomite.                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Special Firefighting Procedures</b>      | 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. |
| <b>Unusual Fire &amp; Explosion Hazards</b> | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Specific hazards</b>                     | Fire creates carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> )                                                                                                                                                                                                                                                                                                                                                                                               |

## 6 Accidental release measures

|                                 |                                                                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Protection</b> | Do not allow product to enter ditches or soak into soil or to reach sewerage system or water bodies. Prevent from spreading. Inform respective authorities if reaches water or sewerage systems.                                                                 |
| <b>Spillage</b>                 | Contain spilled material if possible. Collect in suitable and properly labelled containers.<br>Small spills: Absorb with materials such as cat litter, sand or sawdust.<br>Large spills: Dyke area and contain spillage. Pump into properly labelled containers. |
| <b>Disposal</b>                 | Dispose of contaminated material as waste according to 13 below.                                                                                                                                                                                                 |

## 7 Handling and Storage

|                 |                                                                                                                                                                                                                                                                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling</b> | Ensure good ventilation at the workplace. Keep breathing apparatus available.<br>Avoid spillage and contact with skin and eyes. Wash thoroughly after handling.<br>Do not swallow.                                                                                                                                                                                               |
| <b>Storage</b>  | Store in cool, dry location with good ventilation.<br>Store any bulk product only in its original container. Keep container closed and well sealed at all times when not in use.<br>Store away from food, foodstuffs, drugs, potable water supplies, oxidising agents and acids.<br>Bulk material (contents of containers) may attack some plastics materials, rubber and paint. |

## 8 Exposure controls/personal protection

|                            |                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Exposure</b>            | Ensure good ventilation/exhaustion.                                                                                            |
| <b>Personal Protection</b> | General protective and and hygienic measure:<br>Keep away from beverages and food.<br>Wash hands before breaks and after work. |

## 9 Physical and chemical properties

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| <b>Appearance / Odour</b>      | Clear, slightly viscous (syrupy) liquid. Practically odourless. |
| <b>Flash point</b>             | 116°C (closed cup)                                              |
| <b>Flammable limits in air</b> | <b>Lower:</b> 3.2% (V)<br><b>Upper:</b> 15.3% (V)               |
| <b>Boiling point</b>           | 244.7°C                                                         |
| <b>Vapour pressure</b>         | 0.06 mmHg (m) @ 20°C                                            |
| <b>Vapour density</b>          | 2.1                                                             |
| <b>Solubility in Water</b>     | Completely miscible.                                            |
| <b>Specific Gravity</b>        | 1.12                                                            |
| <b>Freezing point</b>          | -13°C                                                           |
| <b>Viscosity</b>               | 3570 $\mu$ @ 25°C                                               |
| <b>pH</b>                      | Neutral                                                         |

## 10 Stability and reactivity

|                                         |                                                                                                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>                        | Stable                                                                                                          |
| <b>Conditions to avoid</b>              | Avoid elevated temperature; product can decompose and generation of gas could cause pressure in closed systems. |
| <b>Materials to avoid</b>               | Strong oxidising materials, acids and bases.                                                                    |
| <b>Hazardous decomposition products</b> | Carbon monoxide and carbon dioxide.                                                                             |
| <b>Hazardous polymerisation</b>         | Will not occur.                                                                                                 |

## 11 Toxicological information

|                     |                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Unlikely under normal circumstances, due to low volatility.                                                                                                        |
| <b>Skin contact</b> | Brief contact; non-irritating. Prolonged contact may cause slight irritation with local redness.                                                                   |
| <b>Eye contact</b>  | May cause slight irritation.                                                                                                                                       |
| <b>Ingestion</b>    | Oral toxicity moderate in humans. Small amounts accidentally swallowed not likely to cause injury; however, swallowing large amounts may cause injury, even death. |

## 12 Ecological information

|                              |                                                                                                                                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mobility</b>              | This product will dissolve quickly in water and, if released to soil, potential for mobility is very high. Volatilisation not important consideration. |
| <b>Degradability</b>         | Readily biodegradable.                                                                                                                                 |
| <b>Accumulation</b>          | Not applicable.                                                                                                                                        |
| <b>Environmental effects</b> | No lasting effects.                                                                                                                                    |

## 13 Disposal considerations

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

## 14 Transport information

|                              |                                                          |
|------------------------------|----------------------------------------------------------|
| <b>U N No</b>                | Not applicable                                           |
| <b>Hazard Classification</b> | Not applicable. Road & Rail, Sea and Air: not regulated. |
| <b>Designation of goods</b>  | Chafing Dish Fuel                                        |

## 15 Regulatory information

**Risk phrases** R22 Harmful if swallowed

**Safety phrases** None required

## 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". The fuel, diethylene glycol, is delivered via a wick protruding from a closed metal can. The product's wick is ignited and burned to provide heat for food-warming applications.

**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.