

flomatic ltd

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

Chafers 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** Methanol Gel Chafing Fuel *(all forms)*

Suppliers:

|      |                                                                       |          |                                               |
|------|-----------------------------------------------------------------------|----------|-----------------------------------------------|
| U K: | Flomatic Ltd<br>143- 149 Bath Road<br>KETTERING<br>Northants NN16 8NE | Ireland: | Chafers 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>% by Weight</u> |
|--------------------|----------------|--------------------|
| Methanol           | 67-56-1        | 80-85              |
| Amine              | 121-44-8       | Trace              |
| Polymer            | Proprietary    | Trace              |

**3 Hazards Information**

|                   |                                                                                                                                                                                                                                                                      |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical</b>   | Highly flammable                                                                                                                                                                                                                                                     |
| <b>Eyes</b>       | May cause irritation                                                                                                                                                                                                                                                 |
| <b>Skin</b>       | May cause irritation                                                                                                                                                                                                                                                 |
| <b>Ingestion</b>  | Harmful/Toxic if inhaled or swallowed. Possible risk of irreversible effects to nervous system, eyes, liver and kidneys if swallowed. The eye symptoms may clear temporarily, only to recur later and to progress to actual blindness.                               |
| <b>Inhalation</b> | Unlikely, since product is in jellified form. However, inhalation of the fumes of the liquid form of methanol is harmful; can damage eyes, kidney and liver. Severe exposure to the vapours may cause dizziness, unconsciousness, cardiac depression and even death. |

## 4 First-aid measures

| Route of exposure | Symptom     | Treatment                                                                                                                                                                                                                       |
|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion</b>  |             | Induce vomiting if victim is conscious. Give plenty of water, milk or dilute sodium bicarbonate solution to drink. <i>Seek medical assistance.</i> Never induce vomiting in or 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>       | Irritation  | Wash exposed area well with soap and water. Remove any clothing soiled by the product and wash. If symptoms persist, <i>seek medical advice.</i>                                                                                |
| <b>Inhalation</b> |             | Remove victim to fresh air. <i>Seek medical advice.</i>                                                                                                                                                                         |

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

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flash Point (Method)</b>                | 16°C (Tag closed cup)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Ignition Temperature</b>                | 410°F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Extinguishing Media</b>                 | CO <sub>2</sub> , dry powder, sand or water jet. Flight larger fires with water jet or alcohol-resistant foam.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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. Dispose of fire debris in accordance with local regulations. |
| <b>Unusual Fire &amp; Explosion Hazard</b> | 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.                                                                                                                                                                                                                                                        |
| <b>Specific hazards</b>                    | Nitrogen oxides (NO <sub>x</sub> ), Carbon Monoxide (CO) and Hydrogen Cyanide (HCN) can be released in case of fire.                                                                                                                                                                                                                                                                                                                                                                                                               |

## 6 Accidental release measures

|                                 |                                                                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environmental Protection</b> | Do not allow product to reach sewerage system or water bodies. Prevent from spreading. Inform respective authorities if reaches water or sewerage systems. |
| <b>Spillage</b>                 | Large amounts must be removed by shovel. Flush spillage area with plenty of water.                                                                         |
| <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.<br>Avoid inhalation of any fumes.<br>Open and handle container with care.                                                                                                                                                                                               |
| <b>Explosion and Fire</b> | Avoid heat, sparks and open fire. Keep ignition sources well away.<br>Do not smoke.                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>            | Protect against electrostatic charges. All equipment must be earthed.<br>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 oxidising agent 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.<br>Occupational exposure limits is 200 ppm in air (Europe).<br>A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.                                                                                                                                          |
| <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.<br>Instantly remove any soiled and impregnated clothing. Wash exposed clothing before reuse.<br>Store protective equipment separately.<br>Eye-wash facilities shall be placed near the work area. |

## 9 Physical and chemical properties

|                              |                                           |
|------------------------------|-------------------------------------------|
| <b>Appearance / Odour</b>    | Clear colourless gel, feint alcohol odour |
| <b>Flash point</b>           | 16°C, Tag closed cup.                     |
| <b>Flammability</b>          | Highly flammable.                         |
| <b>Density</b>               | 0.81 gms/cc @ 25°C                        |
| <b>% by wt. non-volatile</b> | 0.66                                      |
| <b>Boiling Point</b>         | 65°C                                      |
| <b>Viscosity</b>             | 3380µ @ 25°C                              |
| <b>Solubility in Water</b>   | Fully miscible in water                   |

## 10 Stability and reactivity

|                                         |                                 |
|-----------------------------------------|---------------------------------|
| <b>Stability</b>                        | Stable                          |
| <b>Conditions to avoid</b>              | Fire, heat, sparks, open flame. |
| <b>Materials to avoid</b>               | Oxidising materials.            |
| <b>Hazardous decomposition products</b> | None known                      |

## 11 Toxicological information

**Acute toxicity:** fatal internal dose for humans, 45-195 gms.  
General Health Hazard: Poisoning can take place by swallowing, inhalation or skin contact and can happen by acute and chronic exposure. Eyes, kidney and liver can be damaged and methanol ingestion can, in worst cases, lead to blindness and death.

|                     |                                                                                                                                                         |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Unlikely under normal circumstances. However, vapours have an irritating effect on the mucous membranes in the throat and in the respiratory system.    |
| <b>Skin contact</b> | Prolonged contact with gel may cause dryness of the skin; acts as defatting agent. May cause cracking of skin and/or eczema.                            |
| <b>Eye contact</b>  | Extreme irritation of eyes and mucous membranes, including burning and lachrymosity. Risk of serious damage to eyes.                                    |
| <b>Ingestion</b>    | Ingestion large quantities may cause unconsciousness, nausea, vomiting, headache, drowsiness, dizziness, disorientation, vertigo, even narcotic effect. |

## 12 Ecological information

|                              |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mobility</b>              | This product will dissolve quickly 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. |
| <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 Important Note</b> | Cleaning agents: water, with cleaning agent if necessary.<br>Fully burnt (exhausted) container/tin may be treated as general waste.<br>The purchaser is responsible for proper waste disposal of empty, partial or full cans. Any disposal practice must be in compliance with local regulations. |

## 14 Transport information

### Land transport

**U N No** 1325, flammable solids, NOS (methanol)  
**ADR Class** Class 4.1; inflammable gel.  
**Number/Letter** 17D  
**Designation of goods** Chafing Dish Fuel

### Maritime transport

**IMDG/GGVS/E Class** 4.1  
**Page** 4146  
**U N No.** 1325, organic, NOS (methanol)  
**EMS No.** 4.1-06  
**MFAG** 306

## 15 Regulatory information

**311/312 Reporting** T - Toxic F - Highly flammable

**Risk phrases**  
 R1 Highly flammable  
 R39/23/24/25  
 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin, and if swallowed.

**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.  
 S36/7 Wear suitable protective clothing and gloves.  
 S38 If effective ventilation is not possible, wear suitable respiratory equipment.  
 S44 If you feel unwell, *seek medical advice*, show label if possible.

## 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.