

**SAFETY DATA SHEET**  
**HOTFLAME - CHAFING DISH FUEL (METHANOL GEL)**

According to Regulation (EU) No 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** HOTFLAME-CHAFING DISH FUEL (METHANOL GEL)  
**SDS No.** CGM 1/2  
**REACH Registration number** Methanol Registration No. 01-2119433307-44-0017

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** Food heater gel  
**Uses advised against** No specific uses advised against are identified.

**1.3. Details of the supplier of the safety data sheet**

**Supplier** **Herald Plastic Limited**  
Unit G Anglian Industrial Estate, Atcost Road,  
off River Road, Barking, Essex  
IG11 0EQ, United Kingdom  
Tel.: +44 (0)208 507 7900  
Fax: +44 (0)208 507 2914  
**Contact Person** Mr. Yogesh Patel/ Director

**1.4. Emergency telephone number**

Herald Plastic : +44 (0) 208 507 7900 – office hours

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)** Flam. Sol. 1 - H228; Acute Tox. 3 - H301; Acute Tox. 3 - H311;  
Acute Tox. 3 - H331; STOT SE 1 - H370.

**2.2. Label elements**

Label In Accordance With (EC) No. 1272/2008



**Contains** METHANOL

**Signal Word** Danger

**Hazard Statements**

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

**Precautionary Statements**

P102	Keep out of reach of children.
P103	Read label before use.

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P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.

### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.2. Mixtures

<b>METHANOL</b>	<b>80 - 85%</b>
<b>CAS-No.: 67-56-1</b>	<b>EC No.: 200-659-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	
<b>TRIETHYLAMINE</b>	<b>&lt; 1%</b>
<b>CAS-No.: 121-44-8</b>	<b>EC No.: 204-469-4</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1A - H314 STOT SE 3 - H335	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**REACH Registration number** Methanol Pre-registration No.05-2119091494-33-0000

#### **Composition Comments**

The data shown are in accordance with the latest EC Directives.

### **SECTION 4: FIRST AID MEASURES**

#### 4.1. Description of first aid measures

##### **General information**

Keep the affected person warm and at rest. Get prompt medical attention. NOTE! Effects may be delayed.  
Keep affected person under observation. Consult a physician for specific advice.

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### **Inhalation**

Move the exposed person to fresh air at once.  
Place unconscious person on the side in the recovery position and ensure breathing can take place.  
If respiratory problems, artificial respiration/oxygen. Get medical attention.

### **Ingestion**

Immediately rinse mouth and provide fresh air. Get medical attention immediately!  
Immediately give a couple of glasses of water or milk, provided the victim is fully conscious.

### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately!

### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing.  
Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.

#### **Ingestion**

Ingestion may result in unconsciousness, blindness and death.

#### **Skin contact**

Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

#### **Eye contact**

May cause blurred vision and serious eye damage.

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

Treat Symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Use: Powder. Foam. Alcohol resistant foam. Water spray, fog or mist.

#### **Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

#### **Hazardous combustion products**

Fire creates: Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NOx).

#### **Unusual Fire & Explosion Hazards**

HIGHLY FLAMMABLE! May develop highly toxic or corrosive fumes if heated.  
Vapours may form explosive mixture with air at room temperature.

#### **Specific hazards**

Containers can burst violently when heated, due to excess pressure build-up.

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

Avoid breathing fire vapours. Be aware of risk of fire re-starting, and risk of explosion.  
Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.  
Do not smoke, use open fire or other sources of ignition. Do not breathe vapour.  
Avoid contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection.  
In case of spills, beware of slippery floors and surfaces.

#### **6.2. Environmental precautions**

The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.  
Do not discharge into drains, water courses or onto the ground.

#### **6.3. Methods and material for containment and cleaning up**

Keep combustibles away from spilled material. Shovel into dry containers. Cover and move the containers.  
Flush the area with water. Wash thoroughly after dealing with a spillage.

#### **6.4. Reference to other sections**

For personal protection, see section 8.  
See section 11 for additional information on health hazards.  
For waste disposal, see section 13.

### SECTION 7: HANDLING AND STORAGE

#### **7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame.  
Eye wash facilities and emergency shower must be available when handling this product. Avoid contact with skin and eyes.  
Do not use contact lenses. During application and drying, solvent vapours will be emitted.  
Use explosion proof electric equipment.  
Mechanical ventilation or local exhaust ventilation may be required.  
Ventilate well, avoid breathing vapours.  
Use approved respirator if air contamination is above accepted level.  
Do not eat, drink or smoke when using the product.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed original container in a dry and cool place. Keep away from food, drink and animal feeding stuffs.  
May attack some plastics, rubber and coatings.

#### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
METHANOL	WEL	200 ppm(Sk)	266 mg/m <sup>3</sup> (Sk)	250 ppm(Sk)	333 mg/m <sup>3</sup> (Sk)	
TRIETHYLAMINE	WEL	2 ppm(Sk)	8 mg/m <sup>3</sup> (Sk)	4 ppm(Sk)	17 mg/m <sup>3</sup> (Sk)	

WEL = Workplace Exposure Limit.

#### **8.2. Exposure controls**

##### Protective equipment



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### Process conditions

Provide eyewash, quick drench.

### Engineering measures

Must not be handled in confined space without sufficient ventilation. Provide adequate ventilation.  
Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

### Respiratory equipment

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.  
Wear air supplied respiratory protection. Suitable respiratory protection must be used at high concentrations.  
Self-contained breathing apparatus with full facepiece.

### Hand protection

Protective gloves should be used if there is a risk of direct contact or splash.  
For prolonged or repeated skin contact use suitable protective gloves.

### Eye protection

Wear tight-fitting goggles or face shield.

### Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.  
Wear rubber footwear.

### Hygiene measures

Wash promptly if skin becomes wet or contaminated. Promptly remove non-impervious clothing that becomes contaminated.  
Isolate contaminated clothing and wash before reuse.  
When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

### Skin protection

Wear apron or protective clothing in case of contact.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Gel.	
<b>Colour</b>	Colourless.	
<b>Odour</b>	Characteristic.	
<b>Solubility</b>	Miscible with water.	
<b>Initial boiling point and boiling range</b>	65 °C	
<b>Melting point (°C)</b>	Not applicable.	
<b>Relative density</b>	Not available.	
<b>Bulk Density</b>	0.81 kg/l	
<b>Vapour pressure</b>	Not available.	
<b>Viscosity</b>	3380 cps	@25°C
<b>Decomposition temperature (°C)</b>	Not available.	
<b>Flash point</b>	16 °C	CC (Closed cup).
<b>Auto Ignition Temperature (°C)</b>	Not available.	
<b>Partition Coefficient (N-Octanol/Water)</b>	Not available.	

### 9.2. Other information

<b>Volatile Organic Compound (VOC)</b>	85%
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### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

No specific reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.  
Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

Not known.

##### **Hazardous Polymerisation**

Will not polymerise.

#### 10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

#### 10.5. Incompatible materials

##### **Materials To Avoid**

Acids, oxidising. Strong oxidising substances. Strong reducing agents.

#### 10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NOx).

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

**Toxic Dose 1 - LD 50** 45-195 g Fatal internal dose (human)

##### **Toxicological information**

This material is toxic.

##### **Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.  
Vapours may cause headache, fatigue, dizziness and nausea.  
Toxic: danger of serious damage to health by prolonged exposure through inhalation

##### **Ingestion**

Gastrointestinal symptoms, including upset stomach.  
Toxic: danger of serious damage to health by prolonged exposure if swallowed. May cause internal injury.

##### **Skin contact**

Repeated exposure may cause skin dryness or cracking.  
May cause skin irritation/eczema. May cause sensitisation by skin contact.  
Toxic: danger of very serious irreversible effects in contact with skin.

##### **Eye contact**

Irritating and may cause redness and pain. Spray and vapour in the eyes may cause irritation and smarting.

##### **Route of entry**

Inhalation. Ingestion. Skin and/or eye contact. Skin absorption.

##### **Target Organs**

Eyes, Skin, Respiratory system, lungs

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### Medical Symptoms

Gastrointestinal symptoms, including upset stomach. Headache. Drowsiness, dizziness, disorientation, vertigo.

#### Toxicological information on ingredients.

##### METHANOL (CAS: 67-56-1)

###### Toxic Dose 1 - LD 50

5300 mg/kg (oral - rat)

###### Toxic Dose 2 - LD 50

15800 mg/kg (dermal - rabbit)

###### Toxic Conc. - LC 50

64000 ppm/4h (inh - rat)

##### TRIETHYLAMINE (CAS: 121-44-8)

###### Toxic Dose 1 - LD 50

730 mg/kg (oral - rat)

###### Toxic Conc. - LC 50

3496 ppm/1h (inh - rat)

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

The product is mildly toxic to aquatic organisms.

#### 12.1. Toxicity

No data available.

#### Ecological information on ingredients.

##### METHANOL (CAS: 67-56-1)

###### LC 50, 96 Hrs, Fish

19500 - 20700 mg/l Oncorhynchus mykiss  
28200 mg/l Pimephales promelas

###### EC 50, 48 Hrs, Daphnia,

> 100 mg/L Pimephales promelas  
18 - 20 mL/L Oncorhynchus mykiss

###### IC 50, 72 Hrs, Algae,

13500 - 17600 mg/L Lepomis macrochirus

##### TRIETHYLAMINE (CAS: 121-44-8)

###### LC 50, 96 Hrs, Fish

330 mg/l

###### EC 50, 48 Hrs, Daphnia,

200 mg/l

#### 12.2. Persistence and degradability

##### Degradability

The product is biodegradable.

#### 12.3. Bioaccumulative potential

##### Bioaccumulative potential

No data available on bioaccumulation.

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### Partition coefficient

Not available.

### 12.4. Mobility in soil

#### Mobility:

The product is miscible with water. May spread in water systems.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

No information required.

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste.

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Do not puncture or incinerate even when empty.

### 13.1. Waste treatment methods

Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

Make sure containers are empty before discarding (explosion risk).

Environmental manager must be informed of all major spillages.

Do not allow runoff to sewer, waterway or ground.

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN) 2926

UN No. (IMDG) 2926

UN No. (ICAO) 2926

### 14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE SOLID, TOXIC, ORGANIC, N.O.S. (METHANOL)

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class 4.1

ADR/RID/ADN Class Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.

ADR/RID/ADN Subsidiary Risk 6.1

ADR Label No. 4.1 & 6.1

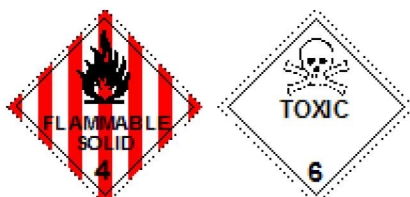
IMDG Class 4.1

IMDG Subsidiary risk 6.1

ICAO Class/Division 4.1

ICAO Subsidiary risk 6.1

Transport Labels



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### **14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

### **14.6. Special precautions for user**

Limited Quantity	5 kg
EMS	F-A, S-G
Emergency Action Code	1X
Hazard No. (ADR)	46
Tunnel Restriction Code	(E)

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

## **SECTION 15: REGULATORY INFORMATION**

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

#### **Uk Regulatory References**

Fire precautions Act 1971.  
Chemicals (Hazard Information & Packaging) Regulations.  
Health and Safety at Work Act 1974.

#### **EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### **National Regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.  
Workplace Exposure Limits 2005 (EH40)

#### **Water hazard classification**

WGK 1

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

#### **Information Sources**

This SDS is prepared based on the information received from the product owner.

#### **Revision Comments**

The SDS is generated in accordance with the REACH regulation.

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<b>Revision Date</b>	15.10.2015	
<b>Revision</b>	04	
<b>Date</b>	19.06.2006	

### **Hazard Statements In Full**

H225	Highly flammable liquid and vapour
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs << lungs, skin, eyes>>.
H228	Flammable solid.

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.