

Material Safety Data Sheet

Product: Chafing Dish Fuel (Ethanol Gel)

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Gen Heat Chafing Dish Fuel (Ethanol Gel)
Supplier: Importer
Name: Neville UK PLC
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Erith, Kent DA8 1EW
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COMPOSITION/INFORMATION ON INGREDIENTS

Contains mainly ethanol (about 75%). Other ingredients are mainly water and vinyl polymer, and amin. The product is in gel form.

HAZARD IDENTIFICATION

Emergency Overview:

Concentrations below 1,000 ppm usually produce no signs of intoxication. Exposure to concentrations over 1,000 ppm may cause headache, irritation of the eyes, nose, and throat and if continued for an hour drowsiness and lassitude, loss of appetite and inability to concentrate.

Potential Health Effects

Eyes: May cause irritation
Skin: May cause irritation
Ingestion: May cause gastrointestinal discomfort
Inhalation: May cause irritation to respiratory tract

FIRST AID MEASURES

Emergency and First Aid Procedures:

Eyes	Flush with water for at least 15 minutes, raising and lowering eyelids occasionally. Get medical attention if irritation persists.
Skin	Thoroughly wash exposed area for at least 15 minutes. Remove contaminated clothing. Launder contaminated clothing before reuse. Get medical attention if irritation persists.
Indigestion	If swallowed, if conscious give plenty of water. Immediately call a doctor or poison control centre. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. Give oxygen if breathing is difficult, give artificial respiration if breathing has stopped. Keep person warm, quiet and get medical attention.

FIRE FIGHTING MEASURES

Suitable extinguishing agents:

- CO₂, dry powder, sand or water jet
- Fight larger fires with water jet or alcohol-resistant foam.

Special hazards caused by Gel and its products of combustion of flue gases:

Ethanol vapour can give an explosive mixture with air. Flammable Limits of ethyl alcohol in air % by volume are: LEL 3.3% and UEL 19%. The vapour is heavier than air and can spread to ignition sources far away. Nitrogen oxides (Nox), carbon monoxide (CO) and hydrogen cyanide (HCN) can be released in case of a fire.

Protective Equipment

Do not inhale explosion gases or combustion gases. Wear full protective suit. Put on breathing apparatus.

Additional Information

Cool endangered containers with water spray jet. Dispose of fire debris and contaminated fighting water in accordance with official regulations.

ACCIDENTAL RELEASE MEASURES

Person Related Safety Precautions

- Keep people at a safe distance and stay on the windward side.
- Wear protective clothing (against inhalation and liquid contact)
- Keep away from ignition sources.
- Ensure adequate ventilation

Measures for environmental protection

- Do not allow product to reach sewage system or water bodies
- Prevent from spreading
- Damp down gases/fumes/haze with water spray jet
- Inform respective authorities in case of product reaches water or sewage system

Measures for cleaning/collecting

- Large amounts must be removed by shovel
- Finally flush with large amounts of water
- Dispose of contaminated material as waste according to item 13

HANDLING AND STORAGE

Safe Handling

- Ensure good ventilation at the workplace. Keep breathing equipment ready.
- Avoid spills, skin contact and eye contact. Avoid inhalation of gases and fumes
- Open and handle container with care

Protection against explosion and fires

Avoid heat sparks and open fire. Keep ignition sources away. Don't smoke. Protect against electrostatic charges. All equipment must be earthed.

Storage

Requirements to be met by storeroom and containers:

- Store in cool, dry location with good ventilation.
- Prevent any penetration into the ground.
- Store only in the original container. Keep container closed and well sealed
- Store away from oxidising agent and acid.
- May attack some plastic materials, rubber and paint.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Control

- Ensure sufficient 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 hygienic measures:

- Keep away from beverages and food
- Wash hand before breaks and at the end of the work
- Instantly remove any soiled and impregnated clothing. Wash exposed clothing before use.
- Store protective equipment separately.
- Safety shower and eye-flashers shall be placed near the work area.

Personal Protective Equipment

- Breathing Equipment
In case of brief exposure of low pollution, use breathing filter apparatus.
In case of intensive or longer exposure use full protection suit and breathing apparatus that is independent of circulating air. Check equipment before use.
- Protection of hands
Use protection gloves made by rubber, neoprene, PVC or equivalent.
- Eye Protection
Splash proof chemical safety goggles should be worn at all times.

PHYSICAL AND CHEMICAL PROPERTIES

Form	Colourless opaque gel
Flash Point (closed cup)	16°C
Flammability	Highly Flammable
Boiling Point	79°C
Density	0.84g/cm ³ at 25°C
Viscosity (25°C)	3570 P at 25°C
Non-volatile content (wt-%)	0.5
Solubility/miscible	Fully miscible in water

STABILITY AND REACTIVITY

Condition to avoid

- Keep away from fire, heat, sparks, open flame and static electricity

Materials to avoid

- Keep away from oxidising materials

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. Turmorigenic data cited.

Not listed as causing cancer by IARC, NTP or OSHA

ECOLOGICAL INFORMATION

The product is biodegradable

Spill into water

- 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 reach ground water bodies or sewage systems. If this should happen, inform authorities and warn possible users.

Spill in to roads/streets

- Take large amount of spill with shovel. Then flush with large amount of water

DISPOSABLE CONSIDERATIONS

Recommendation

- Must not be disposed of together with household garbage
- Do not allow to reach sewage system
- Must be incinerated in accordance with local regulations
- Spill and residue shall be kept and shall be delivered to an approved effluent treatment plant of a terminal for problem waste together with information about the amount of waste its properties and hazard factors.
- Cleaning agents: Water, if necessary with cleaning agent

TRANSPORT INFORMATION

Land transport ADR/RID and GGVs/GGVE (cross-border/domestic)

ADR/RID-GGVs/E Class	3 Inflammable gel
Number/letter	17 D
UN Number	1170
Designation of good	"Chafing Dish Fuel"

Maritime Transport IMDG/GGV Sea

IMDG/GGV Sea Class	3.2
Page	3087
UN Number	1170
EMS Number	3-06
MFAG	306

Air Transport ICAO-TI and IATA-DGR

ICAO/IATA Class	3
UN/ID Number	1170

REGULATORY INFORMATION

EPA TSCA Status: on TSCA Inventory Hazard Category for SARA Section
311/312 Reporting: Acute

Risk Phrases

R11 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
S24 Avoid contact with skin
S44 In case of indisposition contact doctor, show label if possible
S38 If effective ventilation is not possible, suitable respiratory

OTHER INFORMATION

Recommended Uses

In keeping meals warm and hot, in lighting up the mangal charcoals, barbeque fuel, practical heating source for mountain climbers and for warming canned meal.

These data are based on our present knowledge of this product and its individual components. The information contained here in is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and the attention of the user is drawn to the possible risk incurred by using the product for any other purpose other than that for which it was intended.