Wick Chafing Fuel
Safety Data Sheet -February 2023

1) Identification, supplier & emergency information

Description: A clear combustible canned liquid. The fuel, Diethylene Glycol (DEG), is delivered via a wick. The product is ignited and burned to provide heat for food warming applications.
CAS no.: 111-46-6 EINECS no.: 203-872-2
Supplier: Lockhart Catering Equipment, Brunel Road, Theale, Reading, Berkshire, RG7 4XE
Tel: 03701 678678 Web: www.lockhart.co.uk
Emergency telephone: +44 (0)3701 678678

2) Hazards identification

GHS classification:Acute toxicity (oral), category 4, H302.
Labelling:Hazard pictograms

GHS07
Signal word: Warning

H302 Harmful it swallowed. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301/312 If swallowed: call a poison centre or doctor/physician if you feel unwell.
DSD classification: R22 Harmful if swallowed. S2 Keep out of the reach of children. S46 If swallowed, seek medical advice immediately and show this container or label.

3) Composition

Component: Diethylene Glycol (DEG) CAS no.: 111-46-6 EINECS no.: 203-872-2
Component: Water CAS no.: 7732-18-5 EINECS no.: 231-791-2
Content (wt,%): Diethylene Glycol (DEG) ≥95% Water ≤5%
Classification: H302 (CLP);R22 (DSD)-see section 2.

4) First aid measures

If swallowed, seek immediate medical attention.
Inhalation: Seek fresh air. Drink some sips of water. If coughing persists, seek medical attention.
Ingestion: Drink sips of warm water or milk. Seek medical attention immediately.
Eye contact: Flush eye with large amounts of warm water for 15 minutes. If irritation persists, seek medical attention.
Skin contact:Remove and isolate contaminated clothing. Flush exposed area with warm water for 15 minutes. If irtitation persists, seek medical attention.

5) Fire-fighting measures

Flash point: 124°C (255°F) Auto-ignition: 224°C(435°F)
Upper/Lower explosive limit [%(V/V)]:Upper limit: 10.8; Lower limit:1.6
Extinguishing media: Water spray, CO2, foam or dry chemical fire extinguishers can be used.
Special fire fighting procedures:Stop source of fuel, shut off ignition sources. Keep exposed containers cool with water spray. Avoid breathing vapours. Self-contained breathing apparatus and protective clothing should be worn.

6) Accidental release measures

Eliminate ignition sources. Provide adequate ventilation. Absorb liquid on absorbent material. Dispose of in accordance with regulations. If necessary, contact emergency services. Stop spill at source. Prevent liquid from entering drains or waterways.

7) Handling & storage

Handling precautions: Avoid contact with skin and eyes. Do not ingest. Place can in fuel holder or under chafer before lighting. Burn can in a level upright position. Keep away from combustibles (e.g. paper plates and napkins). Use in a well-ventilated area. Keep away from children.
Storage precautions:Store in a cool dry place (4-49°C/40-120°F).Provide adequate ventilation in area of use. Store away from sources of heat or open flame. Keep container closed when not in use.

8) Exposure controls/personal protection

Exposure controls: Avoid contact with skin and eyes. Minimise breathing vapour or mist. Ensure adequate ventilation in area of use.
Occupational exposure controls: Under normal conditions of use, no special protection for skin or eyes is required.

9) Physical & chemical properties

Appearance: Clear, colourless viscous liquid
pH: 6-8 at 20°C(200g/L)
Flash point: 124°C
Explosive properties: None known
Vapour pressure: 2.7Pa at 20°C
Solubility: Miscible/complete
Partition coefficient: Not known
Vapour density: 3.7(air= 1)
Melting point: -6.5°C
Odour: mild
Boiling point: 245°C
Flammability: Not flammable
Oxidising properties:None known
Relative density: 1.118g/cm³(water= 1)
Water solubility: Miscible
Viscosity: Not known
Evaporation rate: Not known

10) Stability & reactivity

Stability: This product is stable under normal conditions of storage and use.
Conditions to avoid: Avoid high temperatures. Store away from all sources of ignition.
Materials to avoid: Avoid contact with oxidizers, acids and alkalis.
Hazardous decomposition products: Burning may cause carbon dioxide (CO_2) and carbon monoxide (CO).

11) Toxicological information

CLP classification: Acute toxicity (oral), category 4, H302. Harmful if swallowed.
DSD classification: Non-toxic. Potentially lethal via ingestion. Class 3/B.

12) Ecological information

Diethylene glycol is highly soluble in water, It is not significantly toxic to fish and aquatic invertebrates, although amphibians and mammals may be more sensitive. DEG will biodegrade in both soil and water.

13) Disposal considerations

Dispose of empty, partial or full cans in accordance with local authority requirements and in an environmentally safe manner. Do not dump into sewers or onto ground. Recycle packaging.

14) Transportation information

This product is classified as non-hazardous by DOT regulations, there is no UN transport number.

15) Regulatory information

EU directives: 67/548/EEC (DSD), EC 1272/2008 (CLP), EC 1907/2006 (REACH).
Statutory instruments: CHIP 2009 SI no.716/4, COSHH, UK health & safety at work act 1999.

16) Other information

Revision details: Version 4. SDS to comply with CLP (EC 1272/2008). 2 February 2023. Previous version: no.3 (August 2011).
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