



## Ethanol Gel Chafing Fuel

### Safety Data Sheet-February 2023

#### 1) Identification, Supplier & Emergency Information

Description: A blue gelled ethanol fuel for warming food in chafing dishes.

CAS no.: 64-17-5 EINECS no.: 200-578-6

Supplier: Lockhart Catering Equipment, Brunel Road, Theale, Berkshire, Rg7 4XE

Tel: 03701 678678 Web: www.lockhart.co.uk

Emergency telephone: +44 (0)3701 678678

#### 2) Hazards Identification

GHS classification: Flammable solid, category 1, H228. Serious eye irritation category 2A, H319.

Labelling:



GHS02 / GHS07

Signal word: Danger

H228 Highly flammable solid. P210 Keep away from heat/sparks/open flames-no smoking.

Store in a cool and well-ventilated place. Use in a well ventilated area. Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [Electrical/Ventilating/Lighting] equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/protective hearing protection.

DSD classification : R11 Highly flammable. 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

Conternt (wt, %)

Component: Ethanol 70-80% CAS no: 64-17-5 EINECS no: 200-578-6

Component: Water 20- 30% CAS no: 7732-18-5 EINECS no: 231-791-2 / Carbomer < 0.1%

Classification: see section 2.

#### 4) First Aid Measures

IF INHALED OR SWALLOWED, SEEK IMMEDIATE MEDICAL ATTENTION

Inhalation: Seek fresh air. Drink sips of water. If individual stops breathing give artificial respiration.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Eye contact: Flush eye with large amounts of warm water.

Skin contact: Remove contaminated clothing. Flush exposed area with warm water.

UNDER ALL CIRCUMSTANCES CONSULT A DOCTOR / FIRST AIDER

#### 5) Fire Fighting Measures

Flash point: <23.0°C(ASTM D 7094)

Auto-ignition: No information available Explosive limit: No information available

Extinguishing media: Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.

Fire & explosion hazards: Vapours can form and travel along the ground/floor or can be moved by ventilation. Do not use heat or flames around containers, containers may explode.

Special fire-fighting measures: Self-contained breathing apparatus and protective clothing should be worn.

Hazardous products of combustion: Carbon Oxides

#### 6) Accidental Release Measures

Use personal protective equipment: rubber gloves to avoid contact with skin, mask to avoid breathing vapours, goggles to protect eyes. Ensure adequate ventilation. Remove ignition sources. Absorb spill. Clean area with water. Prevent material from entering drains.

#### 7) Handling & Storage

Handling precautions: Store away from heat, flame and sparks. Avoid breathing vapours. Avoid contact with skin. Keep away from children. Place can in fuel holder before lighting. Burn can in a level upright position. Keep away from combustibles. Use in a well-ventilated area. Do not ingest.

Storage precautions: Store in a cool, dry place. Provide adequate ventilation. Store away from ignition sources. Keep container closed when not in use.

#### 8) Exposure Controls / Personal Protection

Avoid contact with skin and eyes. Ensure adequate ventilation in area of use. The use of eye protection (goggles) and rubber gloves is recommended.

#### 9) Physical & Chemical Properties

Appearance: Solid blue gel fuel

pH: 7 (Neutral)

Flash point: <23.0°C(ASTM 7094)

Explosive properties: Not known

Odour: Alcoholic/fishy

Boiling point: >35°C

Flammability: Highly flammable

Oxidising properties: 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: Alkali metals, Ammonia, Oxidising Agents, Peroxides.

Hazardous decomposition products: Burning may cause carbon dioxide (CO<sub>2</sub>) and carbon monoxide (CO) if there is an inadequate oxygen supply.

#### 11) Toxicological Information

Ethanol: LD<sub>50</sub>(Oral)7060mg/Kg(Rat); LC<sub>50</sub>(Inhalation,4h)39mg/L(Mouse);

#### 12) Ecological Information

Ethanol: LC<sub>50</sub>11200mg/L (96h)(Fish) ; EC<sub>50</sub> 9950mg/L (48h)(Crustaceans);

#### 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

UN no. 3175, Class 4.1, Solids containing flammable liquid, N.O.S.

#### 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. Update to UN3175 Flammable Solid, previously UN1325 Flammable Liquid. The information on this sheet is limited to the product identified and is believed by Lockhart to be correct. Lockhart makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.