

Safety Data Sheet

Lumea Gel Chafing Fuel



1 Identification, supplier & emergency information

Product name: **Lumea Gel Chafing Fuel**

Product code: 74302, 74301, 74212

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

CAS no.: 67-56-1

EINECS no.: 200-659-6

Supplier: **Lumea Ltd** **Lumea Ltd**

Unit C, 18/F Dragon Centre	Hartnoll Business Centre
79 Wing Hong Street, Cheung Sha Wan	Tiverton
Kowloon, Hong Kong	Devon, UK, EX16 4NG
Tel: +852 2553 2866	Tel: +44 (0)845 601 7532
Fax: +852 2553 2896	Fax: +44 (0)1884 252090
Email: sales@lumea.com.hk	Email: info@lumea.co.uk
Web: www.lumea.com.hk	Web: www.lumea.co.uk

Emergency telephone: +44 (0)845 601 7532 or +44 (0)1884 255954 (weekdays, 9am–5.00pm GMT)

2 Hazards Identification

CLP classification: Flammable liquids, category 2, H225. Acute toxicity (dermal), category 3, H311. Acute toxicity (inhalation), category 3, H331. Acute toxicity (oral), category 3, H301. Specific organ toxicity – single exposure, category 1, H370.

CLP labelling:



Danger

GHS02/GHS06/GHS08

Hazard statements: H225 Highly flammable liquid and vapour.
H301/311/331 Toxic if swallowed, inhaled or in contact with skin.
H370 Causes damage to organs.

Precautionary statements:

P210 Keep away from heat/sparks/open flames – no smoking.
P403/405/233 Store in a locked, well-ventilated place. Keep container tightly closed.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use in a well-ventilated area.
P301/310 If swallowed: immediately call a poison centre or doctor/physician.

Other hazard information:

Eye contact Irritating to eyes.
Skin contact Toxic in contact with skin. May cause irritation by prolonged contact.

Inhalation Toxic by inhalation. Avoid inhalation of vapours.
 Ingestion May be fatal if swallowed. Can cause blindness. Central nervous depression.

DSD classification: R11 Highly flammable.
 R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
 R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

DSD labelling:



Highly flammable



Toxic

3 Composition

Component: Methanol (methyl alcohol)
 CAS no.: 67-56-1 EINECS no.: 200-659-6
 % content: 81%
 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: If individual is drowsy or unconscious do not give anything by mouth. If individual is conscious and alert **induce vomiting**. Drink water, milk or 4% sodium bicarbonate solution. If possible, do not leave person unattended. Can be harmful or fatal if swallowed.
 Eye contact: Flush eye with large amounts of warm water for 15 minutes while holding eyelids open. If irritation persists, seek medical attention.
 Skin contact: Remove contaminated clothing. Flush exposed area with warm water for 15 minutes. If irritation persists, seek medical attention. Wash clothing and shoes before re-use.

5 Fire-fighting measures

Flash point: 12.2°C (54°F) Auto-ignition: 477°C (890.6°F) Explosive limit: 6–36%
 Extinguishing media: CO₂, foam or dry chemical fire extinguishers can be used. **(Water may be ineffective.)**
 Fire & explosion hazards: Vapours can form and may travel along the ground/floor or can be moved by ventilation. Can be ignited. Do not use heat or flames around containers, risk of explosion.
 Special fire-fighting measures: Self-contained breathing apparatus and protective clothing should be worn.

6 Accidental release measures

Personal precautions: Ensure adequate ventilation. Remove ignition sources. Wear protective clothing. Avoid breathing vapours or contact with skin.



Environmental precautions: Do not allow spilled material to enter drains or other water sources. Advise appropriate authorities if spilled material does enter drains or water sources or contaminates soil/vegetation.

Spill clean-up method: Contain spill with a suitable absorbent material. Clean area with water. Dispose of any spilled material in a sealed container in accordance with local authority regulations.

7 Handling & storage

Handling precautions: Keep away from heat, flame and sparks. Avoid breathing vapours. Avoid contact with skin. **Keep away from children.** 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, napkins, tablecloths, etc.). Use in a well-ventilated area. **Do not ingest.**

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

8 Exposure controls / personal protection

Exposure controls: Avoid contact with skin and eyes. Ensure adequate ventilation.

Personal protection: The use of eye protection (goggles) and rubber gloves is recommended.

9 Physical & chemical properties

Appearance:	Solid pink gel fuel	Odour:	Alcoholic/fishy
pH:	7	Boiling point:	77–80°C
Flash point:	12.2°C	Flammability:	Not known
Explosive properties:	6–36%	Oxidising properties:	Not known
Vapour pressure:	97.68mmHG at 20°C	Relative density:	0.85 g/cm ³ (water = 1)
Solubility:	Moderate	Water solubility:	Miscible
Partition coefficient:	Not known	Viscosity:	1500–8000 mPas at 20°C
Vapour density:	1.11 (air = 1)	Evaporation rate:	3.5 (butyl acetate = 1)

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 strong oxidisers.

Hazardous decomposition products: Burning may cause carbon dioxide (CO₂) and carbon monoxide (CO) if there is an inadequate oxygen supply.

11 Toxicological Information

CLP classification: Acute toxicity (dermal), category 3, H311. Acute toxicity (inhalation), category 3, H331. Acute toxicity (oral), category 3, H301. Specific organ toxicity – single exposure, category 1, H370. See section 2 for further details.

DSD classification: Acute and chronic toxicity effects are not available on this product at this time. **Dangerous effects of this product on the body other than those listed cannot be ruled out.**

12 Ecological Information

There is no detailed information available on this product at this time.

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, any body of water or onto the ground. Recycle packaging where facilities are available.

14 Transport Information

General: UN no. 1325
 Road/rail transport: Class 4.1
UN 1325 flammable solid, organic, N.O.S. (methanol)
 Classification code: F1
 Packing group: III



UN Transport symbol for flammable solids (Class 4)

15 Regulatory information

EU directives: EC 1272/2008 Classification, labelling & packaging of substances and mixtures (CLP).
 EC 1907/2006 Registration, evaluation, authorisation & restriction of chemicals (REACH).
 67/548/EEC Dangerous substances directive (DSD)

Statutory instruments: Chemicals (hazardous information and packaging for supply) regulations (CHIP) 2009 SI no. 716/4.
 Control of substances hazardous to health regulations (COSHH).
 Carriage of dangerous goods and use of transportable pressure equipment regulations 2007.
 UK health & safety at work act 1999.

Approved code of practice: Control of substances hazardous to health – approved code of practice and guidance L5 (2005 – HSE books).

Guidance notes: Workplace exposure limits EH40.
 The storage of flammable liquids in containers HSG51 (HSE 1998).

Chemical safety assessment (CSA): A CSA for this product is not available at this time.

16 Other Information

Safe use instructions:

- **Take care** – the flame on gel chafing fuel is barely visible.
- Use a blunt object (e.g. a spoon) to open the lid.



- Don't use a sharp object (e.g. a knife) to open the lid.
- Place your hand over the lid when opening a can.
- Remove excess gel from the lid using a blunt object.
- Never remove excess gel from the lid with your finger or clothing.
- Never handle or carry a lit can – they can become very hot!
- Use a small non-flammable object (e.g. a saucer) to extinguish the flame – **never attempt to blow out the flame.**
- Don't touch a can for some time after it is extinguished – the can takes a while to cool.
- Wash hands to remove any fuel residue.
- Place the can under heating equipment (e.g. a chafing dish) before lighting.
- Ensure the can is securely in position in the equipment before lighting.
- Use a long-handle match or butane lighter to light the can.
- Don't use a lit can to light another can.
- Never position a can on a table-top or on table linen.
- Never carry heating equipment (e.g. a chafing dish) with lit cans inside.
- Keep hair, clothing, table linen and all other combustible items away from the flame.
- Don't leave a burning can unattended.
- Never use your hands to extinguish a flame.
- Replace the lid/cap before disposal to prevent any fuel leakage.

Revision details: Version 3.0, 06 January 2013. SDS routinely updated.

Version 2.1, 01 December 2012. SDS routinely updated.

Version 2.0, 15 March 2012. SDS fully revised to comply with CLP (EC 1272/2008). Previous version: 1.0, 13 July 2009.

Disclaimer: The information on this sheet is limited to the product identified and is believed by Lumea Ltd to be correct based on its knowledge and information as of the date noted. Lumea Ltd 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 product.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy themselves that they are suitable and complete for their purposes.