

MATERIAL SAFETY DATA SHEET

Gelfuel is used for cooking, heating, (chafing dishes) lighting fires (ie barbeques)

1. SUBSTANCE IDENTIFICATION

Material/Trade Name: Greenheat
Type: Gelled Alcohol Fuel
Company/Supplier: Greenheat S. A. (Pty) Ltd
Address: 5 Sneezewood Lane
Glen Anil, 4051
Durban, South Africa

Telephone: +27 31 569 1765
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2. COMPOSITION

Substance(s)	CAS NO.	EEC No.
Gelled material containing denatured Ethanol	F;R11 64-17-5	200-578-6

3. HAZARD IDENTIFICATION

HIGHLY FLAMMABLE

Keep out of reach of children

Keep container tightly closed

Avoid contact with eyes and skin

If swallowed, seek medical advice immediately and show this container label

4. FIRST AID MEASURES

Inhalation: Remove to fresh air and rest

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Eye Contact: If recovery is not rapid obtain prompt medical attention
Irrigate with water for at least 15 minutes
Take care not to wash chemical from one eye to another

If irritation persists consult a doctor

Skin: Remove contaminated clothing
Wash with soap/cleanser and rinse with plenty of water

If irritation persists, obtain medical attention

Ingestion: Do not induce vomiting
Give plenty of water to drink
Beware of aspiration if vomiting occurs. If feeling unwell, seek medical attention immediately

5. FIRE-FIGHTING MEASURES

Suitable Extinguishers:

Foam, Fry powder, Carbon Dioxide, Water fog

Inert material: Sand, Earth, etc.

Unsuitable Extinguishers:

Do not use high pressure water jets

Hazardous Decomposition:

If involved in a fire may decompose to produce toxic fumes. Gel will readily catch fire after brief contact with ignition sources, and will continue to burn vigorously after removal of ignition

Special Procedures:

Do not breathe decomposition products and fumes

Use approved self-contained breathing apparatus

Wear fire retardant clothing

If material is surrounded by fire, use water spray to keep containers cool.

Large fires should only be dealt with by trained personnel

6. ACCIDENTAL RELEASE MEASURES

Exposure Controls: Eliminate all sources of ignition

Do not allow spill to enter drains and watercourses

Clean up as part of good housekeeping practice

Personal Protection: Avoid skin contact and wear impervious gloves (e.g. rubber gloves)

Disposal Considerations: Scoop up and place in container to await transfer
Dispose of in accordance with local authority regulations.

7. HANDLING AND STORAGE

Handling: Avoid skin contact

Avoid eye contact

Ensure adequate ventilation

Wear suitable protective clothing (see Section 8)

Storage: Store in a cool, dry, well-ventilated area at less than 50 degrees C
Store away from oxidizing materials and sources of ignition.

8. EXPOSURE CONTROLS

Occupational Exposure Limit:

1920 mg/m³ 8 hr TWA OES Ethanol
Wear impervious gloves (e. g. rubber gloves)

Wear suitable overalls over clothing and change if contact occurs

Use in well ventilated areas

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Green Gel
Odor: Alcoholic
pH: 7.5-8.5
Boiling point/range: n/a
Melting point/range: n/a
Flash point: closed cup ASTMD 93: 30 c
Flash point: open cup ASTMD 92: 34 c
Flammability: Highly Flammable
Auto-flammability: 422 c
Explosive Properties: None
Oxidizing properties: None
Vapor pressure: Negligible
Gross Calorific Value MJ/kg: 22.8
Relative Density
at 20 degrees C,kg/1: 0.8512
Solubility: Moderately soluble
Vapor Density: n/a

10. STABILITY AND REACTIVITY

Stable at normal temperatures
Self-sustaining combustion following ignition
No hazardous decomposition products when stored and handled correctly

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Inhalation and eye/skin contact. Mild irritation and can cause redness to eyes, mild, transient irritation skin
Ingestion of large amounts may lead to acute nausea and vomiting

12. ECOLOGICAL INFORMATION

Non-toxic to aquatic life
Not expected to be persistent in the environment
Bio-accumulative potential: Does not bio-accumulate

Mobility: Will dissolve and disperse in the aqueous environment

13. DISPOSAL CONSIDERATIONS

Waste materials must be treated as a fire hazard
Do not discharge into drains or water courses
Dispose in accordance with the Special Waste Regulations 1996

14a. TRANSPORT INFORMATION – UK

UN/SI Number: 1325
IMO: Class 4.1 Packing Group

111

IATA/IACO: Class 4.1 Packing Group

111

ADR/RID: Class 4.1 Packing Group 111

Transport Name: (UK Road)
FLAMMABLE SOLID, ORGANIC, NOS
(Organic alcohol starter fuel)
HAZCHEM/Kemier Code: IZ/40

14b. TRANSPORT INFORMATION – USA

DOT CLASSIFICATION:
HF03103, HF03108-Consumer

Commodity

ORM-D Exemption
INTERNATIONAL:
HF03108B-Dangerous Goods in

Limited

Quantity of Class 4.1, PG111; or,
Flammable Solid, Organic, N.O.S.,
(Contains Ethanol, 4.1, UN1325, 111,
limited)

15a. REGULATORY INFORMATION – UK

a) Risk & Safety

R11 HIGHLY FLAMMABLE
S2 Keep out of reach of children

- S7** Keep container tightly closed
S24/25 Avoid contact with eyes and skin
S46 If swallowed, seek medical advice
Immediately and show this
container or label

b) Other Regulations

Health & Safety at Work, etc. Act 1974
Control of Substances Hazardous to Health
Regulations 2002
Environmental Protection Act 1990
Special Waste Regulations 1996

information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes.

It is the responsibility of the user to undertake a suitable risk assessment/ COSHH assessment prior to using this material.

15b. REGULATORY INFORMATION –

USA

OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1900.1200).

RCRA (40CFR 261, Subpart D): None of OSHA regulated components in this product are listed as Hazardous Waste under 40 CFR 261 (subpart D). This product is considered a Hazardous Waste based on flammability

16. OTHER INFORMATION

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling this product. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Greenheat S.A. (Pty) Ltd. However, Greenheat S.A. (Pty) Ltd makes no guarantee or warranty, expressed or implied, with respect to such

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