

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : amheat Methanol Gel Chafing Fuel

CAS NUMBER : Not applicable - product is a mixture

GENERAL USE : A gelled alcohol food warming fuel.

COMPANY IDENTIFICATION

Diamond Line FZE

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SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS (present at a concentration > or = 1%):

Component	CAS #	%	PEL	TLV
Methanol	67-56-1	75	200 ppm	200 ppm

The following components, present at a concentration > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA:

Component	CAS #	%	PEL	TLV
None - not applicable				

METHANOL: EINECS number: 200-659-6 EU classification: F; R11 , T; R23/24/25, R39/24/25

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW : Methanol is toxic if ingested. Oral LD50 (Rat) is 15 gm./Kg (methanol)
Flammable liquid, gelled methanol, and it's blue in appearance.

PRECAUTIONARY LABELING : Danger Poison-contains Methyl alcohol. Keep away from children.
Cannot be made nonpoisonous, unburned vapor harmful. May be fatal or cause blindness. If
swallowed induce vomiting.

EYE CONTACT : Eye irritant upon direct contact.

SKIN CONTACT : May cause skin irritation upon prolonged contact.

INGESTION : Possible alcoholic breathe, exhilaration followed by CNS depression, slurred speech,
convulsions and hypoglycemia.

INHALATION : Exposure to vapor is possible. Short-term inhalation toxicity is low. Breathing small
amounts during normal handling is not likely to cause harmful effects; breathing large amounts may

be harmful. Symptoms are more likely to be observed at concentrations exceeding recommended exposure limits, and may include headache, drowsiness, nausea, vomiting, blurred vision, blindness, and coma.

SECTION 4 - FIRST AID MEASURES

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 irritation persists, contact poison center or doctor.

INGESTION : If swallowed, seek medical attention immediately. If individual is drowsy or unconscious, do not give anything by mouth. If individual is conscious and alert, INDUCE VOMITING. If possible, do not leave person unattended.

INHALATION : Move individual away from exposure and into fresh air. If not breathing, give artificial respiration, If breathing is difficult, administer oxygen. Keep person warm and quiet; seek medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD) : 54 degrees F or 12. degrees C (Tag closed cup)

AUTOIGNITION : @ 745 mm Hg: 890.6 degrees F or 477 degrees C

EXPLOSIVE LIMIT : Lower Limit: 6.0% ; Upper Limit 36%

EXTINGUISHING MEDIA : CO₂, Foam, Dry Chemical.

SPECIAL FIRE FIGHTING PROCEDURES : No known toxic combustion products or special fire fighting hazards. Self-contained breathing apparatus and protective clothing should be worn when fighting chemical fires. Do not use high pressure stream of water to extinguish burning material.

UNUSUAL FIRE AND EXPLOSION HAZARD : Closed cans exposed to flame and heat may erupt, scattering fragments.

NFPA Rating : 0-Least, 1-Slight, 2- Moderate, 3-High, 4-Extreme: Health -3, Flammability - 3, Reactivity - 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL : Make sure there is adequate ventilation. Remove all ignition sources. Absorb spill on vermiculite paper. Clean area with water until all material is absorbed and removed.

LARGE SPILL : Immediately eliminate all ignition sources (open flames, smoking materials, pilot lights, electrical sparks). Remove persons not in appropriate protective gear from area. Stop spill at source. Prevent material from entering drains, sewers and waterways. Prevent spill from spreading. Spread absorbent material on spill. Remove to containers for disposal per local, state, and federal ordinances.

SECTION 7 - HANDLING AND STORAGE

STORAGE : Store in a cool dry place (40 - 120 degrees F or 4 - 49 degrees C). Provide adequate ventilation in area of use. Store away from sources of heat or open flame. Keep container closed when not in use.

HANDLING : 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). Keep away from children.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONTROLS : Avoid contact with skin and eyes. Provide adequate ventilation.

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

RESPIRATORS: Not required unless exposed to high concentrations above approved guidelines.

SPECIAL PRECAUTIONS : Keep out of the reach of children.

PRECAUTIONARY LABELING : Caution flammable mixture. Keep away from children. Do not use near fire or flame. Vapor harmful. May be fatal or cause blindness if swallowed. Cannot be made non-poisonous.

EXPOSURE GUIDELINES : Methanol 75% OSHA PEL = 200 ppm (TWA), ACGIH TLV = 200 ppm (TWA)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR : Thick blue gel with slight alcohol odor.

pH : 7 - 8 (AS IS)

DENSITY : 0.85 g/cm³

BOILING RANGE : 170.6 F - 176 F (77C - 80C)

VAPOR PRESSURE : 97.68 mm Hg @ 68 F (20 C)

VAPOR DENSITY : 1.11 (Air = 1)

SOLUBILITY IN WATER : Gel is slowly dissolved in water.

SECTION 10 - STABILITY AND REACTIVITY

GENERAL : This product is stable. Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS : Heat, open flame, strong oxidizers.

HAZARDOUS DECOMPOSITION : Burning may cause carbon dioxide and/or carbon monoxide if inadequate oxygen.

SECTION 11 - TOXICOLOGICAL INFORMATION**ACUTE TOXICITY**

ORAL : Rat LD50 : 5630 mg/kg

DERMAL : Rat LD 50: 15800 mg/kg

IRRITANT AND CORROSIVE EFFECT : Slightly irritating to skin

ADDITIONAL INFORMATION : The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC)

SECTION 12 - 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 ROAD/STREET : Take large amount of spill with shovel. Then flush with large amount of water.

SECTION 13 - DISPOSAL 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

SECTION 14 - TRANSPORTATION

DOMESTIC : Consumer Commodity ORM-D

INTERNATIONAL : FLAMMABLE SOLID, ORGANIC, TOXIC N.O.S. UN1325, FUEL GEL

ADNR-Class : 4.1

SECTION 15 - REGULATORY INFORMATION

OSHA : This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

RCRA (40 CFR 261, Subpart D) : The hazardous waste number for methanol is U154 indicating ignitability. This product is considered a hazardous waste based on flammability.

CLEAN WATER ACT : None of the OSHA regulated components in this product are Section 311 listed chemicals.

SARA : Sections 301-304 (Threshold Planning Quantity - TPQ) 40 CFR 355: No TPQ for any OSHA regulated component. Section 313 (Toxic chemical release reporting) 40 CFR 372 : The following chemicals must be reported under SARA 313 : Not applicable to any OSHA regulated component.

PRODUCT LABELING INFORMATION :

SYMBOLS : F-Highly Flammable, T-Toxic

RISK PHRASES : Highly flammable; Harmful by inhalation, in contact with skin and if swallowed. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Risk Phrases in Section 2 : 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.

SAFETY PHRASES : Keep out of reach of children. Keep away from sources of ignition – NO SMOKING. If swallowed seek medical advice immediately and show this container label. Keep container tightly closed and in a well ventilated place. Dispose of this material and its container to hazardous or special waste collection point.

German Water Classification (WGK) : 1

SECTION 16 - OTHER INFORMATION

Recommended Uses :

- In keeping meals warm and hot, in lighting up the mangle 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.