

flomatic ltd

143-149 Bath Road . KETTERING . Northants . NN16 8NE . U K

BWFCU Dublin Ltd

1 Ardeen . LUCAN . Co Dublin . Ireland

Telephone numbers for customer services about this product:

00 44 1536 481 977 (U K) or 00 353 1 610 0602 (Ireland)

1 Identification of the substance/preparation and supply company

Product Name:

MINERALISED METHYLATED SPIRITS

(also: COMPLETELY DENATURED ALCOHOL)

Suppliers:

U K:	Flomatic Ltd 143- 149 Bath Road KETTERING Northants NN16 8NE	Ireland:	BWFCU Dublin Ltd 1 Ardeen LUCAN Co Dublin
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Emergency Telephone Numbers for Chemical Emergency, Spill, Leak, Fire, Exposure or Accident:

Outside U K: 00 44 1536 481 977 or Freephone 0800 597 7448 (within U K)

Out of office hours: U K: **00 44 7747 072 060**

Out of office hours: Ireland: **00 353 87 6202 601**

2 Composition/Information on ingredients

<u>Composition</u>	<u>CAS RN.</u>	<u>%</u>	<u>E C No</u>
Ethanol	64-17-5	90 - 93	200-578-6
Methanol	67-56-1	5 - 10	200-659-6
Pyridine	110-86-1	<1	203-809-9

3 Hazards Information

Physical	Highly flammable
Eyes	May cause irritation
Skin	May cause irritation
Inhalation	Harmful; possible risk of irreversible effects.

4 First-aid measures

Route of exposure

Treatment

General information Move the exposed person to fresh air at once. If continued discomfort, *seek medical attention.*

Ingestion	Give plenty of water to drink. Do not induce vomiting. <i>Seek immediate medical attention.</i> Never give anything by mouth to an unconscious person.
Eyes	Irritation. Thoroughly irrigate with warm water for 15 minutes or so. If symptoms persist, seek medical advice.
Skin	Irritation Wash exposed area well with soap and water. Remove contaminated clothing if soaked and wash as above. If symptoms persist, seek medical advice.
Inhalation	Remove victim to fresh air. <i>Seek medical advice.</i>

5 Fire and explosion hazard data and fire-fighting measures

Extinguishing Media	CO ₂ foam, alcohol-resistant foam, dry chemical, water mist or fog, sand or dolomite.
Special Firefighting Procedures	Containers close to the fire should be removed immediately or cooled with water. Move containers from fire area if this can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. 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 & Explosion Hazard	Heat may cause the containers to explode. Solvent vapours may form explosive mixtures with air and may travel considerable distance to source of ignition and flash back. May ignite at high temperatures. Vapours may form explosive mixture with air at room temperature.
Specific hazards	Fire creates carbon monoxide (CO) and carbon dioxide (CO ₂)

6 Accidental release measures

Environmental Protection	Do not allow product to reach sewerage system or water bodies. Prevent from spreading. Inform respective authorities if large quantities reach water or sewerage systems.
Spillage	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Remove sources of ignition. Stop leak if possible without risk. Let evaporate. Keep out of confined spaces because of explosion risk. Flush spillage area with plenty of water.
Disposal	Dispose of contaminated material as waste according to 13 below.

7 Handling and Storage

Handling	Ensure good ventilation at the workplace. Keep breathing apparatus available. Keep away from heat, sparks and open flame. Avoid spillage and contact with skin and eyes. Avoid inhalation of any fumes.
Storage	Open and handle container with care. Store in cool, dry location with good ventilation. Store any bulk product only in its original container. Keep container closed and well sealed at all times when not in use. Store away from oxidising agent and acids. Bulk material (contents of containers) may attack some plastics materials, rubber and paint.
Storage Category	Flammable liquid storage.

8 Exposure controls/personal protection

Exposure Ensure good ventilation/exhaustion.
Occupational exposure limit is 1000 ppm in air
A NIOSH/MSHA chemical cartridge respirator should be worn if PEL or TLV is exceeded.

Personal Protection Use suitable protective gloves.
Wear approved chemical safety goggles where eye exposure is reasonably probable.
Wear appropriate clothing to prevent any possible liquid contact and repeated and prolonged vapour contact. Provide eyewash station.
Keep away from beverages and food.
Wash hands before breaks and after work.

9 Physical and chemical properties

Appearance / Odour Purple liquid, heavy unpleasant pyridine-like odour.
Flash point 16°C, Tag closed cup.
Flammability Highly flammable. Lower limit: 3.5% Upper limit: 19%
Auto-ignition temperature 365°C
Density 0.84 gms/cc at 25°C
Boiling Point 79°C
Vapour pressure 5.81 kPa 20
Solubility in Water Good, fully miscible in water. soluble in organic solvents.

10 Stability and reactivity

Stability Stable under normal temperature and recommended conditions.
Conditions to avoid Fire, heat, sparks, open flame, direct sunlight and static electricity.
Avoid contact with acids and oxidising substances.
Materials to avoid Strong oxidising substances and strong acids.
Hazardous decomposition products Carbon Monoxide [CO] and carbon Dioxide [CO₂]

11 Toxicological information

Ethyl alcohol: orl-rat LD50 : 7060 mg/Kg: ihl-rat LC50: 20,000 ppm/10H

Effects of overexposure

Inhalation: Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion: Swallowing concentrated chemical may cause severe internal injury. Ingesting large amounts may cause unconsciousness, nausea, vomiting, headache, dizziness, drowsiness, disorientation.

Skin contact: Prolonged contact may cause dryness, defatting and cracking of skin, even eczema.

Eye contact: Extreme irritation. risk of serious damage to eyes.

12 Ecological information

Mobility This product will dissolve rapidly in water. If released to soil, it will evaporate at a rapid rate. It is poorly adsorbed onto soils or sediments.

Degradability	Readily biodegradable.
Bioaccumulation	Not applicable.
Environmental effects	No lasting effects.

13 Disposal considerations

Material	Dispose of waste and residues in accordance with local authority requirements. Do not allow to reach sewage system.
Container	Cleaning agents: water, with cleaning agent if necessary. Fully emptied containers may be treated as general waste.

14 Transport information

Designation of goods	Ethanol solution (Ethyl Alcohol solution)
U N No	1170
ADR Class	Class 3 ; flammable liquids.
Number/Letter	17D
Hazard No (ADR)	33 Highly flammable liquid (flash-point below 23°C)
RID Class No	3
IMDG Pack Group	II
Hazchem Code	2YE
Marine Pollutant	No
ICAO Class	3

15 Regulatory information

Labelling	Harmful High flammable
Contains	Methanol
Risk phrases	R11 Highly flammable R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
Safety phrases	S9 Keep container in well-ventilated place S16 Keep away from sources of ignition. No smoking in vicinity. S51 Use only in well-ventilated areas. S36/37 Wear suitable protective clothing and gloves. S60 This material and its container must be disposed of as hazardous waste.

16 Other information

Recommended uses and restrictions As a heating fuel for either cooking food in such devices as flare lamps, fondues or camping "stoves" or for keeping food warm and hot in such devices as carving trolleys and chafing dishes.

Disclaimer:The above information is based on the state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the quality or the specification of the product. No warranty is given if the product is used for any other purpose other than that suggested, recommended or declared on the product label or brochure. The user must satisfy him/herself that the product is entirely suitable for his/her purpose.