



MINERALISED METHYLATED SPIRITS



1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

Product Name: MINERALISED METHYLATED SPIRITS

Applications: General purpose surface cleaner & fondue burner fuel

Supplier: Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 4AB
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2. COMPOSITION / INFORMATION ON INGREDIENTS:

Ingredients: Ethanol
Methanol (< 10%)
Water (< 5%)
Residual quantities of aldehydes, ketones, naphtha & pyridine (all < 0.1%)

Hazardous components: See above

3. HAZARDS IDENTIFICATION:

Classification: HIGHLY FLAMMABLE
HARMFUL by inhalation, in contact with skin & if swallowed
HARMFUL: Possible risks of irreversible effects through inhalation, skin contact & if swallowed

Risk Phrases: R11; R20/21/22; R68/20/21/22

4. FIRST AID MEASURES:

Inhalation: Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

Skin contact: Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

Ingestion: Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet.

Eye contact: Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

5. FIRE FIGHTING MEASURES:

Extinguishers: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide. Select extinguishing agents with regards to other materials involved.

Combustion products: Oxides of carbon.

Special procedures: Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product.

6. ACCIDENTAL RELEASE MEASURES:

- Personal protection:** Ventilate the area to dispel residual vapours. Wear appropriate protective clothing. Consider the need for evacuation. Eliminate ALL sources of ignition.
- Environmental protection:** Contain and absorb using earth, sand or an approved inert material & advise local authority if significant quantities have entered drains or water courses.
- Spill removal methods:** Contain and absorb using earth, sand or an approved inert material then transfer into suitable containers for specialist disposal or recovery.

7. HANDLING & STORAGE:

- Handling precautions:** Ensure adequate ventilation and use all recommended personal protective equipment including eye face protection and have access to emergency shower facilities.
- Storage precautions:** Keep in cool covered and ventilated locations out of direct sunlight and away from sources of heat or ignition. Storage and transfer equipment should be adequately earthed and bonded to prevent static build up. Suitable storage materials are stainless steel; mild steel; HDPE & PET. Do not store in lead, zinc or tin. This material is hygroscopic.
- Usage precautions:** Wear all recommended PPE and isolate all sources of local ignition.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

- Exposure limits:** 1000ppm for 8hr TWA for Ethanol; 200ppm for Methanol – [$< 10\%$]
- Process controls:** Engineering measures to prevent or control exposure are preferred to PPE alone. Use of mechanical ventilation [LEV & dilution] and process containment are recommended.
- Personal protection:** Use respiratory protection where there is a risk of high vapour concentrations
Antistatic footwear and a rubber apron along with PVC or rubber gloves – (17" long elbow length latex rubber (chlorinated) or nitrile approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.)

9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Liquid	Vapour pressure:	58 mBar @ 20°C
Colour:	Purple	Evaporation rate:	7.5 (nBut Ac = 1)
Density / SG:	0.81	Viscosity:	1.22mPas-1 @ 20°C
Solubility:	Water & Oil	Boiling point:	78°C
Flash point:	12°C	Flammability limits:	4.3% - 19% v/v in air
Auto ignition Temp:	420°C	Oxidising properties:	n/a

10. STABILITY & REACTIVITY:

- Conditions to avoid:** Static discharge; direct sunlight, high temperatures and sources of ignition.
- Materials to avoid:** Concentrated acids & strong oxidising agents
- Decomposition products:** Oxides of carbon

11. TOXICOLOGICAL INFORMATION:

Routes of exposure:	Inhalation & ingestion	Corrosivity / Irritation:	N/A
Acute short term effects:	Blindness by ingestion	Sensitisation:	N/A
Chronic long term effects	Depression of CNS	Mutagenicity:	N/D
Toxic dose -LD 50:	N/D	Carcinogenicity:	N/A
Prolonged exposure effects:	may lead to severe internal injury, liver damage and blindness	Reproductive toxicity:	N/D

12. ECOLOGICAL INFORMATION:

Ecotoxicity:	Rated only as slightly toxic to aquatic species
Bio-accumulative potential:	Negligible due to high volatility resulting in rapid evaporation to air.

13. DISPOSAL CONSIDERATION:

Disposal Methods:	Dispose in accordance with local authority regulations for highly flammable liquids.
Special requirements:	Application equipment such as brushes and cloths will retain a flammability risk until they are either laundered or allowed to dry completely. Unused product and freshly contaminated application materials must be considered flammable
Regulatory controls:	Special waste provisions apply to the disposal of this product

14. TRANSPORT INFORMATION:

Proper shipping name:	Alcohol denatured	Flash point:	12°C
ADR Class No.:	3	IMDG Class:	3
UN No.	1170	IMDG Pack group:	II
ADR Packing Group:	II	Marine pollutant:	NO
Hazchem Code:	33		

15. REGULATORY INFORMATION:

Classification: HIGHLY FLAMMABLE;
HARMFUL



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Risk phrases: HIGHLY FLAMMABLE
HARMFUL by inhalation, in contact with skin & if swallowed
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Safety phrases: Keep locked up and out of the reach of children
Keep container tightly closed
Keep away from sources of ignition
Wear suitable protective clothing & gloves
In case of accident or if you feel unwell, seek medical advice immediately.

UK Regulatory references: All retail packs require a child resistant closure approved to BS EN ISO 28317 and a Tactile danger warning triangle.

16. OTHER INFORMATION:

Last revision date:	July 2005
SDS No.:	102
Data sources:	Volume VII Approved supply list; EH40; Croner; Bulk supplier data sheets
Disclaimer:	The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.