

# METHYLATED SPIRIT

## PRODUCT SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING

**PRODUCT NAME-** METHYLATED SPIRIT

**INTENDED USE** - No relevant information.

For Professional Use only

**SUPPLIER** – Flint Hire & Supply Ltd., Queens Row, London, SE17 2PX

**Emergency Tele** - 020 7703 9786

### 2. COMPOSITION/INFORMATION OF INGREDIENTS

Solvent mixture

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging) Regulations 1994 as amended.

Substance Name	EINECS No.	UN No.	% Conc Range	Hazard Symbols	Risk Phrases
ETHANOL	200-578-6	64-17-5	50 - 100	F	11
METHANOL	200-659-6	67-56-1	2.5 - 10	T,F	23/24/25-39123/24/25- 1

For full text of Risk Phrases see Section 16 'Other Information'

### 3. HAZARDS IDENTIFICATION

**Classification**

Xn Harmful ,F - Highly Flammable

**Risk Phrases**

Highly Flammable - Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed

### 4. FIRST AID MEASURES

**GENERAL**

In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

**INHALATION**

Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

**EYE CONTACT**

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 mins. holding the eyelids apart, seek medical advice.

**SKIN CONTACT**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.

**INGESTION**

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** - Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand, Foam.

**NOT TO BE USED** - Water.

**SPECIAL INSTRUCTIONS FOR FIREFIGHTING PERSONNEL** - Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

### ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect. 7&8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations Do not allow to enter drains or water courses. If it does the local water company should be contacted immediately, in case of contamination of streams rivers or lakes the National Rivers Authority Clean preferably with a detergent, avoid use of solvents.

### 7. STORAGE & HANDLING

**Handling**

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent creation of explosive or flammable mixtures and avoid vapour concs higher than the OEL Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non sparking tools & exclude sources of heat, sparks& flames Keep container tightly closed. Never use pressure to empty, container is not a pressure vessel. Always keep in containers made of the same material as the supply container. Avoid skin & eye contact. For personal protection see Sect.8. Good housekeeping and regular removal of waste materials will minimise risks. The product may charge electrostatically. Use earthing leads when transferring from one container to another. Wear anti-static footwear and clothing & floors should be electrically conductive.

**Storage**

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act. See the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store between 5 & 25°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Container which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidising agents and strongly alkaline and acid materials. The principles contained in the HSE's guidance note Storage of Packaged Dangerous substances should be observed when storing this product.

## 8 EXPOSURE CONTROLS I PERSONAL PROTECTION

*Engineering Measures* - Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.

Substance Name	Occupational Exposure Limits				Notation
	15min STEL		8hr LTEL		
	ppm	mg/m3	ppm	mg/m3	
ETHANOL			1000.00	1900.00	OES
METHANOL	250.00	310.00	200.00	260.00	Sk OES

### NOTES

LTEL = Long Term Exposure Limit - 8 hour time weighted average

STEL = Short Term Exposure Limit - 10 minute reference period.

Notations = Sk - risk of absorption through skin Sen - respiratory sensitizer.

Notations = SK - Risk of absorption through skin SEN - Respiratory Sensitiser Bmgv - Biological Monitoring may be appropriate (see Biological Monitoring Guidance Value in EH40 Table 3)

OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

*General Protection* - All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

*Respiratory Protection* - Air fed respiratory equipment should be worn when sprayed if levels cannot be controlled below OEL's and engineering methods cannot be reasonably improved.

*Hand Protection* - Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

*Eye Protection* - Eye protection designed to protect against liquid splashes should be worn.

*Skin Protection* - Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap & water or a proprietary skin cleaner.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<i>PHYSICAL STATE</i>	Liquid	<i>SPECIFIC GRAVITY</i>	815 gms/cc Method Hydrometer
<i>V.O.C. CONTENT</i>	815 Kgs/It	<i>VAPOUR DENSITY</i>	HEAVIER than Air
<i>LOWER EXPLOSION LIMIT</i>	71.3 % Vol.	<i>SOLUBILITY IN WATER</i>	MISCIBLE

## 10. STABILITY & REACTIVITY

Stable under the recommended storage & handling conditions (see Sect.7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

## 11 TOXICOLOGICAL INFORMATION

There is no data available on the product itself. Exposure to organic solvent vapours may result in adverse health effects such as irritation of the mucous membrane and respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue muscular weakness, drowsiness and in extreme cases unconsciousness. Splashes in the eyes may cause irritation and reversible local damage Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eye may cause irritation and reversible local damage.

## 12 ECOLOGICAL INFORMATION

There is no data available on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

## 14. TRANSPORT INFORMATION

Road; Rail	SI Number... 1170	Packing Group ...11	Class... 3
	Designation ...	. ETHANOL SOLUTION	

## 15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows.

*Classification* Xn - Harmful  
F - Highly Flammable

*Contains* METHANOL

*Risk Phrases* 11 Highly Flammable  
68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed

*Safety Phrases* 13 Keep away from food, drink and animal feeding stuffs  
16 Keep away from sources of ignition - No smoking  
29 Do not empty into drains  
43 In case of fire do not use water.

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Keep container tightly closed and in a well ventilated place

Wear suitable protective clothing and gloves.

'P' Phrases

Do not breathe Vapour or Spray

For professional use only.

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

## 16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 2

R11

Highly Flammable

823/24/25

Toxic by inhalation, in contact with skin and if swallowed

839/23/24/25

Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed

Date of last revision 23/10/02

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in sect.1 without first referring to the supplier and obtaining written instructions. As the specific conditions of use of the product are outside of the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in:-

The Control Of Substances Hazardous to Health Regulations 1988 (SI 1988: 1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS(G)51

Storage of Packaged Dangerous Substances. HS(G)71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988: 2839)