

Safety Data Sheet (SDS)

Methylated Spirit

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product Name Methylated Spirit

Product Code xxxxxxx

Company e-hygiene systems ltd

Address Murray Road Orpington BR5 3QY

Tel: 01689 892522

Fax: 01689 877575

E-Mail info@e-hygienesystems.co.uk

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENT

Hazardous Ingredient	CAS	EINECS	Risk	Range
Ethanol	64-17-5	200-578-6	R11	>30%
Naptha	91-20-3	202-049-5		5-15%
Pyridine	110-86-1	203-809-9	R11, 20/21/22	<1

3. HAZARD IDENTIFICATION

Highly Flammable, Flash point 12°C

4. FIRST AID MEASURES

(Symptoms)

Skin Contact: Unlikely to cause irritation, even on repeated contact.

Eye Contact: Causes corneal damage. May cause permanent damage.

Inhalation: Vapour concentrations above the OEL may cause irritation of the eyes, nose and throat. High concentrations will cause depression of the central nervous system, with symptoms similar to those following ingestion.

Ingestion: Low order of acute toxicity LD 50 (rat) 6.2 – 17.8 g/kg.

Fatal dose in man 300 – 400ml. Principal effect of ingestion is depression of the central nervous system. Symptoms may include nausea, vomiting, compromised muscular coordination, visual impairment and loss of consciousness. Aspiration during swallowing or vomiting will damage the lungs. Severe acute intoxication may produce hypoglycaemia, hypothermia and extensor rigidity. Chronic alcohol intoxication has been associated with degenerative changes in the liver, kidneys, brain, gastrointestinal tract and heart muscle. Treatment should be symptomatic and supportive.

(Action)

Skin Contact: Remove all contaminated and wash with water.

Eye Contact: Bathe eye with water for at least 10 minutes. Seek medical attention immediately.

Ingestion & Inhalation: Wash out mouth with water. Do not induce vomiting. Keep warm and rest. If there is difficulty in breathing, give oxygen. If breathing stops or shows signs of failing apply mouth to mouth resuscitation. OBTAIN MEDICAL ATTENTION IMMEDIATELY.

5. FIRE FIGHTING MEASURES

Extinguishing media: (Small fire) Do not use water in a jet. Use CO₂, dry powder, alcohol resistant foam, sand, earth or water fog. (Large fire) Alcohol resistant foam or water fog.

Protection of fire-fighters: Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Extinguish sources of ignition. Turn leaking containers leak-side up to prevent escape of liquid. Avoid breathing vapour.

(Small spillage) Wash away with water. (Large spillage) Inform authorities. Do NOT discharge into drains or rivers. Contain the spillage using bunding.

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Clean-up procedure: Clean-up should be dealt with only by qualified personnel familiar with specific substance. Absorb into dry earth or sand. Transfer to closeable container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in confined spaces. Avoid the formation or spread of mists in the air.

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

All grades of denatured ethanol are highly flammable. All equipment used to store or handle this material should be earth bonded to prevent the build up of static electricity. Electrical equipment in the working area should be flameproof and smoking or naked lights strictly prohibited.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEL: 8 hours TWA 1900 mg/m³.

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye wash is to hand.

9. PHYSICAL/CHEMICAL PROPERTIES

State: Liquid

Colour: Violet

Odour: Characteristic odour

Solubility in water: Soluble

Viscosity: Non-viscous

10. STABILITY & REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat. Sources of ignition

Materials to avoid: Strong oxidizing agents, strong acids.

Hazardous products of decomposition: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Low order of acute toxicity

LD50 (rat) 6.2 – 17.8 g/kg

12. ECOLOGICAL INFORMATION

Mobility: Volatile product readily dissolves in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: None.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of as normal industrial waste.

NB. The user's attention is drawn to the existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID: UN no. 1170. ADR class: 3.

Packing Group: II **Classification code:** 33

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Shipping name: Denatured Ethanol
Labelling: 3 **Hazard ID:** 33
IMDG / IMO: UN no. 1170. Class: 3
Packing group: II
IATA / ICAO: UN no. 1170. Class 3
Packing group: II

15. REGULATORY INFORMATION

Hazard symbols: Highly Flammable.

Risk phrases: R11.

Safety phrases: S7: Keep container tightly closed. S16: Keep away from sources of ignition – No Smoking.

NOTE: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.

Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

Applicable Regulation: Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3

16. OTHER INFORMATION

Risk phrases used in Section 2: R11: Highly flammable. R20/2122: Harmful by inhalation, in contact with skin and if swallowed.

Unless otherwise stated all percentages are w/w

GLOSSARY:	PPE	Personal protective equipment
	N/A	Not applicable
	N/K	Not known
	OES	Occupational exposure limit
	TWA	Time weighted average
	w/v	Weight to volume
	w/w	Weight to weight

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

PLEASE ENSURE THAT IT IS PASSED TO THE APPROPRIATE PERSON(S) IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

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