

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** METHYLATED SPIRITS

**Product code:** METH

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### 1.3. Details of the supplier of the safety data sheet

**Company name:** Rustins Ltd

Waterloo Road

Cricklewood

London

NW2 7TX

United Kingdom

**Tel:** +44 (0)208 450 4666

**Fax:** +44 (0)208 452 2008

**Email:** [rustins@rustins.co.uk](mailto:rustins@rustins.co.uk)

### 1.4. Emergency telephone number

**Emergency tel:** .+44(0)2084504666 (Office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification under CLP:** STOT SE 2: H371; Acute Tox. 4: H302; Flam. Liq. 1: H224

**Most important adverse effects:** Extremely flammable liquid and vapour. Harmful if swallowed. May cause damage to organs.

### 2.2. Label elements

**Label elements:**

**Hazard statements:** H224: Extremely flammable liquid and vapour.

H302: Harmful if swallowed.

H371: May cause damage to organs.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



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**Signal words:** Danger

**Precautionary statements:** P102: Keep out of reach of children.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water .

P280: Wear eye protection.

P370+P378: In case of fire: Use media other than water to extinguish.

P260: Do not breathe fumes.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### ETHANOL

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	90.000%

##### METHANOL

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	9.500%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners. If irritation persists seek medical attention.

**Eye contact:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.

**Ingestion:** If accidentally swallowed, wash mouth out with water. Do not induce vomiting, keep at rest and obtain medical attention.

**Inhalation:** Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth if unconscious, place in the recovery position and seek medical advice.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.

[cont...]

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**Eye contact:** Irritation, reddening and transient corneal damage.

**Ingestion:** May cause dizziness, loss of coordination, loss of consciousness, temporary or permanent blindness, coma and death.

**Inhalation:** There may be irritation of nose, throat and respiratory tract. Dizziness, loss of coordination, nausea and vomiting may occur.

### 4.3. Indication of any immediate medical attention and special treatment needed

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Water spray, fog or mist. Carbon dioxide (CO<sub>2</sub>). Do NOT use water jet.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** Highly flammable.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear protective clothing to prevent contact with skin and eyes. Wear appropriate self-contained breathing apparatus. Do NOT allow run-off from fire fighting to enter drains or water courses.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Ventilate the area.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes contact the relevant environment agency. Do not discharge into drains or rivers. Vapour explosion and poison hazard indoors, outdoors and in sewers.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite. Transfer into a suitable container for disposal in accordance with the waste regulations (see section 13)

### 6.4. Reference to other sections

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. Exclude sources of heat, sparks and open flame. Earth any equipment used in handling.

[cont...]

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### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area.

**Suitable packaging:** Ideally, keep in original container. If transfer is necessary use glass or coated steel containers. Do NOT store in lead, zinc, tin or aluminium.

### 7.3. Specific end use(s)

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

#### ETHANOL

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m <sup>3</sup>	-	-	-

#### METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Provide adequate ventilation. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn (see Respiratory protection below).

**Respiratory protection:** If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

**Hand protection:** Where repeated skin exposure may occur, wear PVC or Nitrile gloves. Wash hands thoroughly after handling chemicals.

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

**Skin protection:** Overalls are normally suitable, PVC apron if risk of splashing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Pale purple

**Odour:** Characteristic odour

**Evaporation rate:** Fast

[cont...]

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**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Highly soluble

**Also soluble in:** Ethanol. Acetone. Methanol.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 80

**Melting point/range°C:** No data available.

**Flammability limits %: lower:** 3.5

**upper:** 19

**Flash point°C:** 12

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** No data available.

**Vapour pressure:** No data available.

**Relative density:** 0.815

**pH:** approx. 7

**VOC g/l:** 815

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal storage and handling conditions (see Section 7).

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** Avoid heat, flames and sparks.

### 10.5. Incompatible materials

**Materials to avoid:** Strong acids. Strong oxidising agents.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

[cont...]

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### METHANOL

IVN	RAT	LD50	2131	mg/kg
ORL	MUS	LD50	7300	mg/kg
ORL	RAT	LD50	5628	mg/kg

### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** Irritation. Repeated or prolonged contact may cause defatting of the skin leading to irritation and dermatitis.

**Eye contact:** Irritation, reddening and transient corneal damage.

**Ingestion:** May cause dizziness, loss of coordination, loss of consciousness, temporary or permanent blindness, coma and death.

**Inhalation:** There may be irritation of nose, throat and respiratory tract. Dizziness, loss of coordination, nausea and vomiting may occur.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Expected to be biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** Not expected to bioaccumulate.

### 12.4. Mobility in soil

**Mobility:** Soluble in water. Volatile. Partially absorbed into soil. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** It is unlikely this material will present an environmental hazard.

## Section 13: Disposal considerations

[cont...]

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### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

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

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1170

### 14.2. UN proper shipping name

**Shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Tunnel code:** D/E

**Transport category:** 2

## Section 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** Safety Data Sheet complies with UK regulatory references in accordance with CHIP 3.1.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H224: Extremely flammable liquid and vapour.

H225: Highly flammable liquid and vapour.

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

[cont...]

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H370: Causes damage to organs.

H371: May cause damage to organs.

**Legal disclaimer:** Even after washing the rags must never be crumpled into a ball but spread out and disposed of. Use synthetic fibre cloths where possible as natural fibres, especially cotton, increase the chances of spontaneous combustion. This data sheet 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. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.