

Section 1: Identification of the Substance/Mixture and of Supplier

Product name: METHYLATED SPIRITS

Recommended use: For appearance on cutlery and glass surfaces

Supplier: Space Industries Limited

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Date of preparation: 11 April 2017

Section 2: Hazards Identification



HSNO Classification: 3.1 - Flammable liquid

Hazard Classification: 3.1B, 6.4A, 9.1D

Section 3: Composition/information on ingredients

Product Description: For cutlery and glass surfaces
Purple liquid

Components: Ethanol

CAS Number: 64-17-5

Proportion: 99.9%

Risk Phrases: R11 Highly flammable
R20/22 Harmful by inhalation and if swallowed
R36 Irritating to eyes

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

Short term exposure by all routes is considered to be harmful.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, begin artificial respiration. Use mouth-to-nose rather than mouth-to-mouth. Seek immediate medical attention.

Skin Contact: Immediately flush with large quantities of water.
Ensure all contaminated clothing is removed and washed thoroughly.

Eye Contact: Hold eyes open and carefully rinse eyes with running water. Remove contact lenses, if

Ingestion:	<p>present and easy to do. If irritation persists, get medical attention.</p> <p>Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Centre or doctor for treatment advice. Contact a Doctor or the Poisons Information Centre (0800 764 766) for further advice</p> <p>If unwell and in every case of suspected poisoning. Never give fluids or induce vomiting if the person is unconscious or convulsing regardless of the cause of injury.</p> <p>If breathing difficulties occur, seek medical attention immediately.</p>
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	Expansion or decomposition of containers may lead to violent rupture of containers.
Suitable Extinguishing Media:	Water spray, CO2, dry chemical powder, foam.
Fire-fighting advice:	<p>FLAMMABLE</p> <p>Wear self-contained breathing apparatus and personal protection equipment.</p> <p>Burning can produce carbon dioxide and/or carbon monoxide.</p> <p>Water should be used to cool exposed containers.</p> <p>Ethanol burns with a colourless flame and as the vapours is heavier than air, it may travel along the ground causing distant ignition.</p>

Section 6: Accidental Release Measures

Procedures to be covered:	Ensure adequate ventilation.
Spills:	<p>Absorb with dry earth, sand or similar material, shovel up and dispose of in an area approved by local authority by-laws.</p> <p>Small spillage's may be safely mopped up or flushed to the drain with water, if permitted.</p>
Disposal:	Do not incinerate.

Section 7: Handling and Storage

Handling:	<p>Keep out of reach of children.</p> <p>Read label before use.</p> <p>Wear full protective clothing to avoid splashes.</p> <p>No smoking.</p>
Storage:	<p>Highly flammable liquid.</p> <p>No smoking.</p> <p>Keep in tightly closed original container in a cool dry place, out of reach of children and away from food, drink and animal foodstuffs.</p> <p>Protect containers from physical damage.</p>

Section 8: Exposure Controls/Personal Protection

Exposure Limits:	T.W.A. for ethanol = 1000ppm
Engineering Control Measures:	<p>HIGHLY FLAMMABLE LIQUID.</p> <p>On burning will emit noxious fumes.</p> <p>Should be stored in an approved bonded "Flammable Liquids" area.</p>

Personal Protective Equipment:	Protect eyes with safety glasses where there is risk of splashes. Gloves recommended to avoid degreasing/drying of skin. Use in a well-ventilated area.
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Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Purple
Odour:	Alcohol odour
Solubility:	Completely miscible
Specific Gravity/Bulk Density:	S.G. 0.87
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	12°C
Density at 20°C:	0.8
Boiling Point:	78°C
Melting Point/Relative	-117°C
Molecular Mass:	46.1
Autoignition Temp:	370°C

Section 10: Stability and Reactivity

Stability:	Avoid naked flames, sparks, hot surfaces as low flashpoint. Forms explosive mixtures with air. Hygroscopic.
Conditions to avoid: Incompatible materials:	Avoid contact with strong oxidizing agents, peroxides, acid chlorides, acid anhydrides, alkali metals, and ammonia.
Hazardous decomposition products:	Decomposes on burning.

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:	
Ingestion:	Capable of causing irritation and intoxication if swallowed. Headache, dizziness, dullness, gastric disorders and symptoms of nervous system depression.
Eye contact:	May injure tissue. Moderately irritating causing redness.
Skin contact:	Moderately irritating to skin. May cause redness.
Inhalation:	Moderately irritating to respiratory tract and mucous membranes. Chronic exposure to the vapour may result in headache and symptoms of central nervous depression, Nasal and eye irritation well below TLV.

Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways.
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Aquatic toxicity:	This material is biodegradable
Terrestrial toxicity:	Slightly harmful to aquatic environment.

Section 13: Disposal Considerations

Refer to Waste Management Authority.
Dispose of material through a licensed waste contractor.

Section 14: Transport Information

Road and Rail Transport:	Classified as a Dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.
UN No:	1170
Class-primary	3.1 Flammable Liquid
Packing Group:	II
Proper Shipping Name:	Ethanol
Hazchem Code:	2(Y)E
Marine Transport:	Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS
UN No:	1170
Class-primary	3.1 Flammable Liquid
Packing Group:	II
Proper Shipping Name:	Ethanol

Section 15: Regulatory Information

HSNO Classification:	3.1 - Flammable liquid
Hazard Classifications:	3.1B, 6.4A, 9.1D

Section 16: Other Information

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Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.