

VIRTUE +

Methylated Spirits

Safety Data Sheet

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APPLAUD PLC PTY. LTD.

SAFETY DATA SHEET**Hazardous Substance, Dangerous Goods****METHYLATED SPIRITS****1. Identification of the material and supplier**Names

Product name : METHYLATED SPIRITS
 Supplier : APPLAUD PLC PTY LTD
 8 STEPHENSON ROAD
 SEAFORD VIC. 3198
 TELEPHONE: (03) 9775 0443
 FAX:(03) 9775 0312
 MOBILE: 0411 353 793

Emergency telephone number : Normal Office Hours: Monday to Friday 8.30 to 5.00 pm (EST), (03) 9775 0443
 Poisons Information Centres: 13 11 26 (Australia wide)
 Emergency Services: 000 or Refer to Local Telephone Directory

Uses

Material uses : Various cleaning purposes
 Date of issue : 20-June-2020

2. Hazards identification

This material is hazardous according to health criteria of Safe Work Australia.

**Signal Word**

Danger Flammable

Hazard Classifications

Flammable Liquids – Category 2
 Serious Eye Damage/Irritation - Category 2A

Hazard Statements

H225 Highly flammable liquid and vapour
 H319 Causes serious eye irritation.

**Precautionary Statements
Prevention**

P102 Keep out of reach of children.
 P103 Read label before use.
 P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical, ventilating, lighting and all other equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P261 Avoid breathing product, mist, vapours or spray.
 P264 Wash hands, face and all exposed skin thoroughly after handling.
 P280 Wear protective clothing, gloves and eye/face protection .

Response

P101 If medical advice is needed, have product container or label at hand.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use water fog (or if unavailable fine water spray), for extinction.

Storage P403+P235 Store in a well-ventilated place. Keep cool.

Disposal P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poison Schedule: S5.

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail"

3. Composition/information on ingredients

<u>INGREDIENTS</u>	<u>CAS. NO.</u>	<u>PROPORTION</u>
Ethanol	64-17-5	90+%
Methyl Isobutyl Ketone	108-10-1	0-1%
Water	7732-18-5	Balance

4. First –aid measures

First-aid measures

Eye contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.

Skin contact : In case of contact, immediately flush skin with plenty of water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance. Remove contaminated clothing and shoes. Wash clothing before reuse.

Inhalation : Remove to fresh air. Obtain medical attention if symptoms occur.

Ingestion : Do not induce vomiting. Rinse mouth; then drink one or two glasses of water. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).

Notes to Physician : No specific treatment. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media : If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

Fire/explosions hazards : Highly flammable liquid and vapour. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Special protective Equipment for Fire fighters : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Hazardous Decomposition Products : carbon oxides(CO, CO²), phosphates

6. Accidental release measures

- Personal Precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental Precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Methods for Cleaning up : If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid- proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway.
Place spilt material in an appropriate container for disposal.

Dangerous Goods Initial Emergency Response Guide No: 14

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.
Keep away from incompatibles, such as acids. Store away from sources of heat and/or ignition.

8. Exposure controls/personal protectionOccupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>				NOTICES
	TWA		STEL		
	ppm	mg/m ³	ppm	mg/m ³	
Ethyl Alcohol	1000	1880	- - -		

- Engineering measures : None required; however, use of adequate ventilation is good industrial practice.
- Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

- Eyes : Recommended: Safety glasses
- Hands : Use chemical resistant, impervious gloves. Recommended: PVC gloves.
- Respiratory : A respirator is not needed under normal and intended conditions of product use.
- Skin : Wear synthetic apron, other protective equipment as necessary to prevent skin contact.

9. Physical and chemical properties

- Physical state : Clear Thin liquid
- Colour : Colorless
- Odour : Characteristic odour
- Boiling point : -
- Melting Point : -
- Vapour pressure : -
- Specific gravity : approx 0.8
- Flash point : n/a
- Vapour density : n/a
- pH concentrate : n/a
- pH 1% : n/a
- Solubility : n/a

10. Stability and reactivity

- Stability : The product is stable under normal ambient conditions of temperature and pressure.
- Conditions to avoid : Elevated temperatures and sources of ignition.
- Materials to avoid : Oxidising agents.

Hazardous : Oxides of carbon and nitrogen, smoke and other toxic fumes.
 Decomposition
 Products
 Hazardous Reactions : No known hazardous reactions.

11. Toxicological information

Potential acute health effects

Inhalation : Inhalation may cause irritation to the respiratory system, nose and throat irritation, coughing and headache. Over exposure may result in nausea, dizziness and drowsiness.
 Ingestion : Chronic ingestion may result in cirrhosis of the liver. Over exposure may cause central nervous system depression. Low toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness and drowsiness with large doses. Liver damage may occur with high level of chronic ingestion.
 Skin contact : This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.
 Eye contact : This product is irritating to eyes, but will not permanently damage the eye tissue.

Potential chronic health effects

Chronic ingestion may result in cirrhosis of the liver. Over exposure may cause central nervous system depression. Low toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain, diarrhoea, headache, dizziness and drowsiness with large doses. Liver damage may occur with high level of chronic ingestion.

Toxicological Information

Ethanol:
 Inhalation LC50 Rat: 2000 ppm/10h
 Ingestion LD50 Mouse: 3450 mg/kg
 MIBK:
 Inhalation LC50 (Inhalation): 23300 mg/m³ (rat)
 Skin LD50 Rabbit: >20 mL/kg
 Ingestion LD50 Guinea Pig: 1600 mg/kg

12. Ecological information

Ecotoxicity data : Golden ide LC0: >1000 mg/L/48h
 Daphnia Magna EC50: >1000 mg/L/24h
 Persistence/ : This product will biodegrade, probably to acetic acid and formaldehyde. Ethanol will volatilise from water and biodegrade, and is not expected to bioconcentrate. It will photodegrade in air with a half-life ranging from hours (polluted air) to days (clean air).
 Mobility : If spilled on soil, ethanol will either evaporate or leach into the ground due to the relatively high vapour pressure and low absorption in soil.
 Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : Do not reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Dispose of via a licensed waste disposal contractor.

14. Transport information

Regulation	UN Number	Proper shipping name	Class	Packing group	Hazchem	Emergency Response Guide No
ADG	1170	Ethanol	3	II	2YE	14

15. Regulatory information

Australian Inventory Status : All substances are listed on AICS or exempt.

Standard for the Uniform Scheduling of Drugs and Poisons

Schedule : S5

Control of Scheduled Carcinogenic Substances

Ingredient name : No listed substance

Schedule : n/a

16. Other information

Prepared by : David Greasley

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Change Made : New GHS Format

The information contained herein is to the best of our knowledge correct and complete. It is meant to describe safety requirements of this product and no warranty, express or implied is made as to its fitness for a particular purpose or any other nature as to the product to which it refers.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.