

SAFETY DATA SHEET

METHYLATED SPIRITS**1. IDENTIFICATION OF MATERIAL AND SUPPLIER**

Product Name METHYLATED SPIRITS
Product Code 161
Product Use Solvent, Fuel , Cleaning fluid.
Company Name Byre Chemicals
Address 3/43 Byre Avenue
 Somerton Park SA 5044
Telephone 08 8350 9228
Fax 08 8350 9334
Emergency phone no. 0412 426 697
Email info@byrechemicals.com.au

2. HAZARDS IDENTIFICATION

Hazardous chemical according to classification Safe Work Australia.
Dangerous goods according to the Aust. Code for the transport of Dangerous Goods by Road or Rail
Signal Word DANGER
GHS Classification H226 Highly flammable liquid and vapour Category 2
 H304 May be fatal if swallowed and enters airways Category 1
 H315 Causes skin irritation Category 2
 H319 Causes serious eye irritation Category 2A
 H412 Harmful to aquatic life with long lasting effects Category 3
 H371 May cause damage to organs Category 2
Precautionary Statement
 Keep away from heat/sparks/open flames/hot surfaces. NO SMOKING.
 Keep out of the reach of children
 Keep container tightly closed
 Use only non sparking tools
 Avoid contact with skin and eyes
 Wear eye protection and rubber gloves
 Avoid inhaling mists
 If swallowed DO NOT induce vomiting. Give water or milk. Seek immediate medical help.
 Splashes on skin to be washed off immediately
 If splashed into eyes , remove contact lenses if present and wash with clean running water for 15 minutes. Seek medical attention immediately.
 Keep containers tightly closed and store in a lock-up facility.
 Take precautionary measures against static discharge

Pictograms

**METHYLATED SPIRITS****BYRE CHEMICALS**

3. COMPOSITION /INFORMATION ON INGREDIENTS

INGREDIENTS	CAS.NO.	PROPORTION
Ethyl alcohol	64-17-5	95 %
Water		5 %

4. FIRST-AID MEASURES

INHALATION	May cause irritation to respiratory system. Remove casualty from contaminated area. Inhalation of vapour may result in drunkenness (as per effects of ingestion) Symptoms may occur at airborne levels of 1000-5000 ppm
INGESTION	If swallowed Do Not induce vomiting. Give water or a glass of milk. If breathing has stopped, give artificial respiration. Transport to hospital. Effects of small intake include headache, dizziness, blurred vision, fatigue. Ingestion of a large amount may lead to severe intoxication, tremours, convulsion, loss of consciousness. Coma, respiratory arrest and death
SKIN	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. Wash clothing before re-use. If irritation persists, seek medical advice.
EYE	If in eyes, hold eyelids apart and flood the eye continuously with water for at least 15 minutes. Seek medical attention
FIRST AID	Eye wash. Safety shower , hand wash basin
ADVICE TO DOCTOR	Treat for alcohol poisoning

5. FIREFIGHTING MEASURES

Extinguishing Media	Foam, water spray or fog , dry chemical powder or carbon dioxide. Do not use water in a jet
Hazards from Combustion	Carbon monoxide may be evolved if incomplete combustion occurs. Vapour is heavier than air, can spread along ground and distant ignition is possible
Precaution for Firefighters	Wear chemical suit and self-contained breathing apparatus. Prevent run off from entering drains and waterways. HAZCHEM CODE 2YE

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE

Evacuate all unauthorised personnel. Isolate hazard area. Avoid contact with spilled or released material. Remove all sources of ignition to the surrounding area. Take precautionary measures against static discharge. Do not breathe fumes or handle damaged containers
 For all spills absorb onto an inert material such as dirt or sand. The collected material should then be transferred into suitable containers , labelled and disposed of in an appropriate way.
 Dispose of waste according to applicable local and national regulations

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Highly Flammable liquid. Wear appropriate protective clothing
 Avoid inhalation of vapours and mists and skin or eye contact. Use only in a well ventilated area. NO SMOKING . Keep containers sealed when not in use. Prevent the build up of mists and vapours in the work atmosphere. Do not use near ignition sources, cut or heat containers as they may produce hazardous fumes. Maintain high standards of personal hygiene ie washing hands prior to eating, drinking, smoking or using toilet facilities

CONDITIONS FOR SAFE STORAGE

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents , strong acids, peroxides, foodstuffs and clothing. Large quantities should be stored in a banded dangerous goods store. Store in original containers

METHYLATED SPIRITS

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits	<i>Ethyl Alcohol 150-200 HSPA 1880/m³ TWA (8hr.)</i>
Engineering Controls	<i>This substance is hazardous. Ensure adequate ventilation is provided Avoid generating and inhaling mists. Maintain air concentrations below recommended exposure standards.</i>
Eye Protection	<i>Safety glasses with side shields should be used.</i>
Hand Protection	<i>Wear gloves of impervious material such as neoprene, or nitrile rubber.</i>
Hygiene Measures	<i>Avoid contact with skin, eyes and clothing Wash hands after handling product. Keep away from foodstuffs.</i>
Skin & Body Protection	<i>Wear rubber apron</i>

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	<i>Clear colourless liquid</i>
Odour	<i>Alcoholic</i>
pH	<i>Not applicable</i>
Boiling Point	<i>78C</i>
Vapour Pressure	<i>44 (mm hg @ 20C)</i>
Vapour Density	<i>1.59 (air= 1 @ 15C)</i>
Flash Point	<i>13C (Abel)</i>
Specific Gravity	<i>0.79 – 0.81</i>
Auto Ignition Temp	<i>392C</i>
Solubility in Water	<i>Completely miscible with water</i>

10. STABILITY AND REACTIVITY

Reactivity	<i>Stable under normal conditions of use.</i>
Chemical Stability	<i>Stable under normal conditions of storage and handling</i>
Conditions to avoid	<i>Excess heat ,sparks, open flames and other ignition sources.</i>
Incompatible materials	<i>Strong oxidising agents.</i>
Hazardous decomposition	<i>Thermal decomposition may result in release of carbon dioxide and carbon monoxide</i>
Hazardous polymerization	<i>Will not occur under normal conditions</i>

11. TOXICOLOGICAL INFORMATION

Acute toxicity	<i>LD50 Oral (Rat) greater than 7060 mgm/kg LC50 Inhalation (Rat) greater than 5900 mgm/kg</i>
Ingestion	<i>Harmful if swallowed. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.</i>
Eyes	<i>Mild irritant. Liquid or mists may severely irritate or damage the eyes</i>
Skin	<i>Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.</i>
Carcinogenic	<i>No evidence of carcinogenic properties</i>
Reproductive toxicity	<i>Not expected to impair fertility</i>
Specific target Toxicity	<i>Long term exposure by swallowing or repeated inhalation may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle</i>
Chronic Effects	<i>Repeated or prolonged skin contact may cause chronic dermatitis.</i>
Aspiration Hazard	<i>Aspiration into the lungs when swallowed or vomited may cause chemical pneumonia which can be fatal</i>

12. ECOLOGICAL INFORMATION

Ecotoxicity	<i>Fish, algae, microorganisms Expected to be harmful</i>
Chronic toxicity	<i>Data not available</i>
Persistence/Degradability	<i>Readily biodegradable.</i>
Bioaccumulative Potential	<i>Data not available</i>
Environmental	<i>Do not discharge into drains, sewers, waterways.</i>

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13. DISPOSAL CONSIDERATIONS

Spills & Disposal	<i>For spillages liquid should be contained using sand or earth and then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and for flammable materials, shut off all possible sources of ignition.</i>
Disposal	<i>Land fill, sewer (small quantities). Refer to Land Waste Management Authority in your State</i>

14. TRANSPORT INFORMATION

Proper Shipping Name	ETHYL ALCOHOL
UN.NO.	1170
Packaging Group	11
Hazchem Code	2YE
DG Class	3

15. REGULATORY INFORMATION

Regulatory Information	<i>Classified as hazardous according to criteria of NOHSC Poisons Schedule S5</i>
Hazard Category	<i>Flammable liquid</i>
Risk Statement	<i>Irritant.</i>
Safety Statement	<i>Keep out of reach of children. In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. Wear suitable gloves and eye/face protection. In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately.</i>

16. OTHER INFORMATION

Preparer Signature	Technical Director
Contact	Telephone: 08 8350 9228 24 hour emergency number 0412 426 697

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