



MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

METHYLATED SPIRITS

Recommended Use: Glass and hard surface general cleaner.
Product Code: 815



MASTER AUSTRALIA PTY LTD (A.B.N. 45 142 705 762)
Postal Address: 45 Marrickville Rd, Marrickville, NSW 2204
Telephone Number: (02) 9550 5800 Facsimile: (02) 9550 5876
Emergency Telephone Number: Poisons Information Centre (National) 13 11 26

Section 2: HAZARDS IDENTIFICATION

Classified as hazardous by the criteria of Safe Work Australia.

Irritant.

- R11: Highly flammable.
- R66: Repeated exposure may cause skin dryness and cracking.
- R20/22: Harmful by inhalation and if swallowed.
- R36/38: Irritating to eyes and skin.
- S7/9: Keep container tightly closed and in a well ventilated place.
- S16: Keep away from sources of ignition.
- S23: Do not breathe vapours or mist.
- S29: Do not empty into drains
- S33: Take precautionary measures against static discharges.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
- S24/25: Avoid contact with skin and eyes.
- S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

Section 3: COMPOSITION INFORMATION

<u>Ingredient</u>	<u>CAS No</u>	<u>Proportion</u>
Ethanol	64-17-5	98%
Methanol	67-56-1	2%

Section 4: FIRST AID MEASURES

- Eye (Contact) Hold eyelids apart and flush the eye continuously with running water. Continue flushing until for at least 15 minutes. Promptly seek medical attention if irritation persists or any loss of vision occurs.

Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water. Launder contaminated clothing before reuse.
Inhalation(Breathing)	If inhaled, remove promptly to fresh air. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Treat unconsciousness by placing the person in the coma position. Apply artificial respiration if not breathing.
Ingestion (Swallowing)	Do NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor. If there are signs of drunkenness (intoxication or inebriation) or respiratory irritation, dizziness, nausea or headache occurs, seek immediate medical attention. Do not allow further work until fitness for duties is established.
Advice to Doctor	Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Use water fog (or if unavailable fine water spray), dry chemical, carbon dioxide or alcohol stable foam. Use water to cool exposed containers.
Hazards from combustion products	May emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Precautions for fire fighters and special protective equipment	Highly flammable liquid. Fire fighters should wear self contained breathing apparatus (SCBA) and complete protective clothing.
Additional information	Hazchem – 2[Y]E. Burns with a colourless flame. The vapour is heavier than air and may travel along the ground; distant ignition and flash back possible.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency procedures	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide – Guide 14.
Methods and materials for containment and clean up	Clean up personnel should wear full protective clothing including respiratory protection if risk of inhalation of vapours. Eliminate all sources of ignition and take measures to prevent static discharge – no smoking. Contain the spill and absorb on inert absorbent material (e.g. soil, sand, vermiculite) for disposal by an approved method. Prevent run-off into drains and waterways. Clean area of all personnel not directly involved in the clean up. Wash the cleaned up area with copious volumes of water to remove any trace amounts of product. Ventilate area well and ensure the atmosphere is safe before personnel return to work area.

Section 7: HANDLING AND STORAGE

Precautions for safe handling	Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment. Store product in original container. Wash hands and face thoroughly after handling and before
--------------------------------------	--

work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cool dry, isolated and well ventilated areas away from heat, sources of ignition and incompatibles. Keep containers closed at all times – check regularly for leaks. Store with all precautions required for handling flammable liquids. Empty containers retain residue and are dangerous, keep away from sources if ignition.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards - Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>TWA</u>	<u>STEL</u>
Ethanol	64-17-5	1000ppm 1880mg/m ³	-----
Methanol	67-56-1	200ppm 262mg/m ³	250ppm 328mg/m ³

Biological limit values Not available.

Engineering controls Ensure adequate ventilation to keep airborne concentrations below exposure standards. Containers must be earthed to avoid generation of static charges when agitating or transferring product.

Personal protective equipment



Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
Skin protection – Use approved chemical resistant clothing to prevent skin contact.
Respiratory protection – Respirator is not usually necessary but if product is being used in a confined area or where vapour/mist is a problem, use a respirator with organic vapour filter.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear thin colourless liquid	Boiling Point:	Approximately 78°C
Odour:	Characteristic alcohol odour	Freezing Point:	Approximately -117°C
pH:	Not available	Solubility:	Soluble in water
Vapour Pressure:	44mm Hg @ 20°C	Specific Gravity:	0.8
Vapour Density:	1.59	Flammable information:	Flash Point 13°C – Method: Abel closed cup Upper and Lower Flammability limits (in air) Not Available. Auto-ignition Temperature Approximately 392°C

Section 10: STABILITY AND REACTIVITY

Chemical stability Stable under normal ambient storage conditions.

Conditions to avoid Avoid exposure to sources of ignition, open flame and static electricity. Avoid using in confined space or generating mists or vapours.

Incompatible materials Incompatible with oxidizing agents and organic peroxides.

Hazardous decomposition products Not known.

Hazardous reactions Not known.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute

Swallowed Considered an unlikely route of entry in commercial / industrial environments. May cause harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Aspiration into the lungs may cause pneumonitis.

Eye Vapours may irritate the eyes. Liquid and mists may severely irritate or damage the eyes.

Skin Moderately irritating to the skin. Brief contact may cause redness.

Inhaled Moderately irritating to respiratory tract and mucous membranes. Inhalation of the vapour may result in headaches, nausea and vomiting. High concentrations may cause central nervous system symptoms similar to 'swallowed' above.

Chronic

Swallowed May cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.

Eye No effects known.

Skin Repeated or prolonged contact may lead to dermatitis with redness, itching, swelling, and possible secondary infection.

Inhalation May cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle

TOXICITY DATA

Ethanol

LD₅₀ 7060mg/kg (oral, rat)

RTECS KQ6300000

Section 12: ECOLOGICAL INFORMATION

Not expected to be ecotoxic.

Biodegradability data not yet available.

Section 13: DISPOSAL CONSIDERATIONS

Refer to state/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	1170
UN Proper Shipping Name	ETHANOL SOLUTION
Class and subsidiary risk	3 – Flammable
Packing Group	2
Special precautions for user	Not applicable
Hazchem Code	2[Y]E

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): None allocated

All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).

Section 16: OTHER INFORMATION

Issue Date: 15th April, 2010

© This document remains property of *Master Australia Pty Ltd.*
Alterations are not permitted without prior written authorisation
from *Master Australia Pty Ltd.*