

MATERIAL SAFETY DATA SHEET (MSDS)

XCELL Methylated Spirits

XMS

Proper Shipping Name	Alcohols, N.O.S. (Methylated Spirits)	Hazard Class	3
Recommended use	Industrial Solvent, Cleaning Component, Fuel	Packing Group	II
Company	Xcell Products NZ	UN No	1987
Address	71 Adams drive, Auckland New Zealand	Hazchem Code	3(Y)E
		Subsidiary Risk	-
Telephone	+64 9 238 2389 [8.00 - 4.30 Mon to Fri]	Poisons Schedule	n/a
Fax	+64 9 238 2399		

Emergency Telephone +64 21 930 795 (24 hours emergency only)
National Poison Centre (24 hours): 0800 POISON (764 766)

Ingredients	Content*	CAS No
Ethyl alcohol	High	64-17-5
Water	Low	7732-18-5
Methanol	Low	67-56-1

*Content: High >60%, Medium 10 to 60%, Low 1 to 10%, Very Low <1%

Physical and chemical properties

Appearance	Clear purple liquid	Solubility	Completely soluble in water
Physical State	Liquid	% Volatiles	100
Odour	Solvent Odour	Vapour Pressure	44 mmhg
Specific Gravity	0.81	Vapour Density	1.59 kPa
pH	n/a	Flash Point	13 C
Boiling Point	Typically 78 C	Flammable Limits	Air 3.5 - 19.0%

Hazard identification

DANGER:

- Highly flammable liquid and vapour
- May be harmful if swallowed and enters airways
- Causes serious eye irritation
- May causes damage to organs through prolonged or repeated exposure
- Suspected of damaging fertility or the unborn

PREVENTION:

- Read label before use
- Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical /ventilating/lighting equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep out of reach of children
- Wash hands thoroughly after handling.
- Do not breathe fume/gas/vapours /spray.
- Do not eat, drink or smoke when using this product
- Avoid release to the environment
- Wear protective gloves and eye/face protection

First-aid measures

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.
Skin:	Wash exposed area with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develops or persists.
Ingestion:	Do not Induce Vomiting. Give glass of water if person is conscious. Get immediate medical attention. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth.
Inhalation:	Remove victim from area of exposure. Seek medical attention. Give artificial respiration if not breathing.
NOTES TO PHYSICIAN:	Treat according to symptoms. Gastric lavage may be indicated if ingested. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

**FOR FURTHER INFORMATION CONTACT (24 hours)
THE NATIONAL POISON CENTRE: 0800 POISON [764 766]**



Fire-fighting measures

Flash Point:	13°C
Auto ignition Temp:	392°C
Flammable Limits in Air % by Volume:	3.5 -19.0
Extinguishing Media:	Water fog or fine mist spray.
Fire Fighting Instructions:	Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended.
Unusual Fire and Explosion Hazards:	Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, etc, away from those fumes.

Accidental release measures

Land Spills or Leaks:	SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other means. Don't flush into sewers or natural waterways. LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.
Waste Disposal Method:	Dispose through licensed disposal company.

Handling and storage

HANDLING	This product is Highly Flammable. No Smoking. Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel or container to another. This material can accumulate static charge by flow or agitation. Vapours can be ignited by static discharge. Use explosion proof equipment as directed by local fire codes.
STORAGE	Store unopened containers under cool, dry and ventilated conditions. Keep away from heat, sparks and flame.



Exposure controls and personal protection

Engineering Controls:	General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.		
Eye / Face Protection:	Wear safety glasses with side shields or goggles when handling this material.		
Body Protection:	PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.		
Respiratory Protection:	Where concentrations in air may exceed the limits, it is recommended to use half-face filter mask to protect from over exposure by inhalation. A Type "A" filter material is considered suitable for this product.		
Exposure Limits:		WES -TWA	WES-STEL
	Ethyl alcohol	1000ppm (1880mg/m ³)	
	Methyl alcohol	200ppm (262mg/m ³)	250ppm (328mg/m ³)

Stability and reactivity

Stability of the substance:	Stable at room temperature
Conditions Contributing to Instability:	Exposure to excessive heat, open flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes.
Incompatibility:	Sources of heat &/or ignition.
Hazardous Decomposition Products:	n/a
Conditions Contributing to Hazardous Polymerization:	n/a



Toxicological information

Inhalation:	Moderately irritating to the respiratory tract and mucous membranes. Inhalation may result in headache, nausea and vomiting. High concentrations may cause nervous system (CNS) depression.
Ingestion:	The ingestion of large amounts will cause some central nervous system effects. Symptoms and possible adverse effects include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood and blood discharges. Aspiration to the lungs may cause chemical pneumonitis.
Skin:	This product is moderately irritating to the skin. Brief contact may cause redness. Repeated or prolonged exposure may lead to dermatitis with redness. Itching, swelling and possible secondary infection. A small proportion of the population may develop an allergic reaction.
Eyes:	The liquid, mists and very high concentrations of vapour may severely irritate or damage the eyes.
Chronic Effects:	Methanol is classified as a suspected of damaging fertility or the unborn child. Chronic intoxication from swallowing the product or repeated inhalation may cause degenerative changes in the liver, kidneys, hair, gastrointestinal tract and heart muscle. The combination of this product and toluene produces potential (greatly increased) adverse health effects as described under <i>Ingestion and Inhalation</i> Methanol – Mouse, oral LD50 870mg/kg

Ecological information

Aquatic Toxicity	Product contains no ingredients identified as being toxic in the aquatic environment.
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Disposal considerations

Dispose through licensed disposal company

Regulatory information

HSNO Approval No:	HSR002553
Group Standard:	Denatured Ethanol (Flammable)
HSNO Classes:	3.1B, 6.4A, 6.8B, 6.9B



Other information

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]
New Zealand Emergency Services: 111

**For General Information
contact:**

Xcell Products NZ
Phone: +64 9 238 2389 [8.00 am to 4.30pm – Mon to Fri]
Fax: +64 9 238 2399

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