



# SAFETY DATA SHEET

## Section 1 - Identification of Substance & Company

**Product** Xcell Methylated Spirits XMS

**Product Identifier:** Methylated Spirits  
**Product Code:** XMS/20  
**HSNO approval:** HSR002553  
**Approval description:** Denatured Ethanol Group Standard 2017  
**UN number:** 1987  
**DG class:** 3  
**Proper Shipping Name:** Alcohols N.O.S (Methylated Spirits)  
**Packaging group:** II  
**Hazchem code:** 3YE  
**Identified Uses:** Industrial Solvent, Cleaning Component

**Supplier name:** Xcell Products NZ  
**Address (New Zealand):** 71F Adams Drive, Auckland, New Zealand

**Telephone:** +64 9 238 2389 [8.00am - 4:30pm Mon - Fri]  
**Fax:** +64 9 239 2399

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

## Section 2 - Hazard identification

### Approval (New Zealand)

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002553, Denatured Ethanol Group Standard 2017), and is classified as follows:

#### GHS 7 Classes

Flammable Liquid cat 2  
Eye Irritation cat 2  
Reproductive Toxicity cat 2  
STOT Repeated Exposure cat 2

#### Hazard statements

H225 - Highly flammable liquid and vapour.  
H320 - Causes eye irritation  
H360 - May damage fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.

#### HSNO Classes

3.1B  
6.4A  
6.8B  
6.9B

#### Hazard statements

H225 - Highly flammable liquid and vapour.  
H320 - Causes eye irritation  
H360 - May damage fertility or the unborn child.  
H373 - May cause damage to organs through prolonged or repeated exposure.

#### Symbols

**DANGER**



### Precautionary Statements

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

P303+P361+P353: IF ON SKIN: 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.

P337+P313: If eye irritation persists get medical advice/attention.

P308+P313: If exposed or concerned: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

P370+P376: In case of fire: Stop leak if safe to do so.

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

P405: Store locked up.

P501: Dispose of contents, or container in accordance with local/regional/national/international regulation.

### Section 3 - Composition/Information on Ingredients

Ingredients	CAS	Conc (%)
Ethyl alcohol	64-17-5	>95%
Methanol	67-56-1	<2%
Ingredients determined to be non-hazardous	-	Balance

\*This is a commercial product whose exact ration of components may way. Trace quantities of impurities are also likely.

### Section 4 - First-aid Measures

You should call the National Poisons Centre (New Zealand) if you feel that you may have been harmed or irritated by this product.

#### Inhalation:

Move the victim to fresh air and keep at rest in a position comfortable for breathing.

<b>Eyes:</b>	Flush eye with running water for at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin:</b>	If skin or hair contact occurs, wash with large amounts of running water. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	If swallowed, do not induce vomiting. Give a glass of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention
<b>Advice to Doctor:</b>	Treat symptomatically.
<b>First Aid Facilities:</b>	Eye wash station and safety shower.

## **Section 5 - Firefighting Measures**

---

<b>Fire &amp; Explosion Hazards:</b>	Highly flammable liquid.
<b>Suitable Extinguishing Substances:</b>	If material is involved in a fire use water fog or fine spray mist.
<b>Products of Combustion</b>	Carbon dioxide, carbon monoxide, water and hydrogen gas.
<b>Protective Equipment:</b>	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.
<b>Hazchem code:</b>	3YE

## **Section 6 - Accidental release measures**

---

<b>Containment:</b>	If greater than 1000L is stored, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water.
<b>Emergency procedures:</b>	In the event of spillage alert the fire brigade to location and give brief description of hazard. Stop the source of the leak. If safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers or water sources. (If this occurs contact your regional council immediately.)
<b>Clean-up method:</b>	Use absorbent soil, sand or other inert material. Rags are not recommended for clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.
<b>Disposal:</b>	Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only accord with all regulations.
<b>Precautions:</b>	Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation.

## Section 7 - Handling and storage

---

- Storage:** Store in a cool, dry, well ventilated place out of direct sunlight. Do not pressurise, cut, heat or weld containers – residual vapours are highly flammable. This product will fuel a fire in progress.
- Handling:** See section 8 with regard to personal protective equipment requirements. This product is highly flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Use grounding leads to avoid discharge (electrical spark).

## Section 8 - Exposure Controls and Personal Protection

---

Workplace Exposure Standards – New Zealand

NZ Workplace Exposure Standards	Ingredient	WES-TWA	WES-STEL
	Ethanol	1,000ppm, 1,880ng/m <sup>3</sup>	N/A
	Methanol	200ppm, 262mg/m <sup>3</sup>	250ppm, 328mg/m <sup>3</sup>

- Engineering Controls:** The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.
- Eye Protection:** Avoid contact with eyes. Use safety glasses or chemical splash goggles if splashes are possible. Select eye protection in accordance with AS/NZS 1337.
- Skin Protection:** If discomfort is felt gloves may be helpful. If you suffer with dermatitis type skin conditions, use gloves. PVC gloves are recommended. Protective gloves should be suitably resistant to material and comply with AS 2161. Replace frequently.
- Respiratory:** A respirator should be worn when airborne concentrations approach the WES. Respirator should have appropriate Type A filter compliant with AS/NZS 1716. Respirator must be used and maintained in accordance with AS/NZS 1715.

## Section 9 - Physical and Chemical Properties

---

<b>Appearance</b>	Clear, Violet	<b>Solubility</b>	Completely soluble
<b>Physical State</b>	Liquid	<b>% Volatiles</b>	100%
<b>Odour</b>	N/A	<b>Vapour Pressure</b>	44mmHg @ 20°C
<b>Specific Gravity</b>	0.81g @20°C	<b>Vapour Density</b>	1.59kPa @ 20°C
<b>pH</b>	No Data	<b>Flash Point</b>	13°C
<b>Explosive Limits</b>	3.5-19%	<b>Viscosity</b>	No Data
<b>Boiling Point</b>	78°C		

## Section 10 - Stability and Reactivity

---

- Stability:** Stable under normal conditions.
- Conditions to be avoided:** Sources of heat and ignition, open flames.

**Hazardous decomposition products:** No decomposition products except upon burning. (see section 5).

**Hazardous Polymerization:** N/A

## Section 11 - Toxicological Information

---

**IF SWALLOWED:** The ingestion of large amount 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.

**IF IN EYES:** Moderately irritating to the skin. Brief contact may cause redness. Repeated or prolonged contact may lead to dermatitis with redness. Itching, swelling and possible secondary infection. A small proportion of the population may develop an allergic reaction.

**IF ON SKIN:** Contact with skin may result in irritation.

**IF INHALED:** Moderately irritating to the respiratory tract and mucous membranes. Inhalation may result in headache, nausea and vomiting. High concentrations may cause central nervous system depression; see symptoms described under Ingestion.

**CHRONIC TOXICITY:** No known effects.

<b>Acute</b>	<b>Oral</b>	Using LD50 for ingredients the calculated LD50 (oral,rat) for the mixture is = 870 mg/kg.
	<b>Dermal</b>	Using LD50 for ingredients the calculated LD50 (oral,rat) for the mixture is = 870 mg/kg.
	<b>Inhaled</b>	No data available.
	<b>Eye</b>	Causes eye irritation.
	<b>Skin</b>	The mixture is not considered to be a skin irritant.
<b>Chronic</b>	<b>Sensitisation</b>	No ingredient present at concentrations > 0.1% is considered a sensitizer.
	<b>Mutagenicity</b>	No ingredient present at concentrations > 0.1% is considered a mutagen.
	<b>Carcinogenicity</b>	No ingredient present at concentrations > 0.1% is considered a carcinogen.
	<b>Reproductive/ Developmental</b>	Suspected of damaging fertility or the unborn child.
	<b>Systemic</b>	May cause damage to organs through prolonged or repeated exposure.
	<b>Aggravation of existing conditions</b>	None known.

## Section -12 Ecological Information

---

<b>Aquatic:</b>	Using EC50 for the ingredients, the calculated EC50 for the the mixture is > 100mg/L
<b>Bioaccumulation:</b>	No data.
<b>Degradability:</b>	Product volatilizes in air.
<b>Soil:</b>	No evidence of soil toxicity.
<b>Terrestrial vertebrate:</b>	See acute toxicity.
<b>Terrestrial invertebrate:</b>	No evidence of terrestrial invertebrate toxicity.
<b>Biocidal:</b>	No data.
<b>Environmental effect levels:</b>	No EELs are available for this mixture.

## Section 13 - Disposal Considerations

---

<b>Restrictions:</b>	There are no product-specific restrictions; however local council and resource consent conditions may apply.
<b>Disposal method:</b>	Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.
<b>Contaminated Packaging:</b>	Disposal of contaminated packaging must comply with the hazardous Substances (Disposal) notice 2017 clause 12. Ensure that the package is incapable of containing any substance and is disposed in a manner consistent with the requirements of the substance it contained. Reuse or recycle packaging if possible.

## Section - 14 Transport Information

---

Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Considered a dangerous good for transport.

<b>UN Number:</b>	1987	<b>Proper shipping name:</b>	ALCOHOLS, N.O.S. (METHYLATED SPIRITS)
<b>Class(es):</b>	3	<b>Packing group:</b>	II
<b>Precautions:</b>	Flammable Liquid	<b>Hazchem Code:</b>	3YE

### ADG CODE:

<b>UN Number:</b>	1987	<b>Proper shipping name:</b>	ALCOHOLS, N.O.S. (METHYLATED SPIRITS)
-------------------	------	------------------------------	--

<b>Class(es):</b>	3	<b>Packing group:</b>	II
<b>Precautions:</b>	Flammable Liquid	<b>Hazchem Code:</b>	3YE
<b><u>IMDG:</u></b>			
<b>UN Number:</b>	1987	<b>Proper shipping name:</b>	ALCOHOLS, N.O.S. (METHYLATED SPIRITS)
<b>Class(es):</b>	3	<b>Packing group:</b>	II
<b>Precautions:</b>	Flammable Liquid	<b>Hazchem Code:</b>	3YE
<b><u>IATA:</u></b>			
<b>UN Number:</b>	1987	<b>Proper shipping name:</b>	ALCOHOLS, N.O.S. (METHYLATED SPIRITS)
<b>Class(es):</b>	3	<b>Packing group:</b>	II
<b>Precautions:</b>	Flammable Liquid	<b>Hazchem Code:</b>	3YE

## **Section – 15 Regulatory Information**

---

### **New Zealand:**

This product is an approved substances under the Hazardous Substances and New Organisms Act (HSNO) Approval Code: HSR002553, Denatured Ethanol Group Standard 2017.

All Components are list on the NZIoC.

### **Specific Controls**

<b>SDS</b>	To be available within 10 minutes in workplaces storing any quantity.
<b>Inventory</b>	An inventory of all hazardous substances must be prepared and maintained.
<b>Packaging</b>	All hazardous substances should be appropriately packaged including substances that have been decanted, transferred or manufactured for own use or have been supplied.
<b>Labelling</b>	Must comply with the Hazardous Substances (Labelling) Notice 2017.
<b>Emergency Plan</b>	Threshold quantity: 1,000L
<b>Certified Handler</b>	Not required.
<b>Tracking</b>	Not required.
<b>Bunding &amp; Secondary Containment</b>	Threshold quantity 1,000L
<b>Signage</b>	Threshold Quantity 250L
<b>Location Compliance Certificate</b>	Required if > 100L (Closed containers greater than >5L); 250L (closed containers up to and including >5L); 50L (open containers).
<b>Flammable Zone</b>	Must be established if > 100L (Closed containers); 25L (decanting); 5L (open occasionally); 1L (open containers in continuous use).

**Fire Extinguisher**

Threshold quantity 250L

**Other Legislation**

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, Local Council Rules and Regional Council Plans.

**Section 16 - Other information**

---

<b>Date</b>	<b>Reason for review</b>
September 2021	5 yearly update

**DISCLAIMER:** Fargo International Ltd has taken care in compiling this information which is based on sources believed to be accurate. However, Fargo International Ltd assumes no responsibility for the accuracy, completeness or suitability of this information. No liability is accepted directly or indirectly from the use of this information and/or product. End users of the information and/or product are obliged to conform to relevant Local Government regulations and must use their independent judgement in determining its appropriateness for a particular purpose.