



NEW ZEALAND MADE FOR THE TRADE

SAFETY DATA SHEET

Section 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Chemz Surface + Equipment Sanitiser Liquid
Product Code: 7188 5L
Uses: Surface and equipment sanitiser.
Company: Chemz Ltd
Address: 80 Rangitane Place
Whakatu, Hastings
Telephone: +64 6 877 9690
Email: info@chemz.co.nz
Emergency Number, 24 hr: 0800 764 766 (0800 POISON) NZ National Poison Centre

Section 2 – HAZARDS IDENTIFICATION

Classification of the product

Considered as a hazardous substance according to the Hazardous Substance (Minimum Degrees of Hazard) Regulations NZ.
Classified as a dangerous goods for transport purposes (land, sea and air).

HSNO Classifications:

3.1B Flammable Liquids: high hazard
6.4A Irritating to the eye

GHS Classifications:

Flammable Liquids Category 2
Eye irritation Category 2B



Signal Words: Danger

Hazard Statements

H225 Highly flammable liquid and vapour.
H320 Causes eye irritation.

Section 3 – COMPOSITION INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion, % m/m
Ethanol Denatured	64-17-5	70 %
Non Hazardous Ingredient	-	to 100%

Section 4 – FIRST AID MEASURES

If medical advice is needed, have product container or label at hand.

If exposed or if you feel unwell: Call a POISON CENTRE 0800 764 766 (0800 POISON) or doctor.

Eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting. Obtain immediate medical attention.



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- Inhalation:** IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
- Skin contact:** IF ON SKIN: Prolonged and repeated direct contact may cause irritation in sensitive individuals, wash affected areas with soap and water. If skin irritation occurs: Get medical advice.
- Notes to physician:** Treat symptomatically and supportively. No specific antidote.

Section 5 – FIRE-FIGHTING MEASURES

- Specific hazards:** Containers can build up pressure if exposed to heat and/or fire. Vapours may form an explosive mixture with air. Vapours can travel to a source of ignition and flash back.
- Further advice:** On burning may emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion. Use water spray to keep fire-exposed containers cool.
- Extinguishing media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.
For large fires, use water spray, fog, or foam. Use water spray to cool fire-exposed containers. Do not discharge extinguishing waters into the aquatic environment.
- Hazchem Code:** 3YE

Section 6 – ACCIDENTAL RELEASE MEASURES

- Minor spills:** Clean up all spills immediately. Remove all sources of ignition. If safe to do so, damaged containers should be placed in a container outdoors, away from all ignition sources. Provide ventilation. Wash with water.
- Major spills:** Evacuate the spill area. Call the Fire Brigade. Remove all sources of ignition. If safe to do so, prevent spillage from entering drains or water courses. If material enters drains, advise emergency services. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for disposal. Wash area down with excess water.

Section 7 – HANDLING AND STORAGE

- Handling Precautions:** Read product label before use. Keep out of reach of children.
This product is highly flammable. Keep away from heat and open flames/hot surfaces. No smoking. Do not use near an open flame or other ignition source. Use in well-ventilated area. Avoid breathing vapour.
- Storage:** Protect from sunlight. Store in a well ventilated, cool, dry place. Keep away from heat, sparks, and flame. Keep container tightly closed. Store locked up.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Limits:** No value assigned for product. Exposure standards for constituents (NZ WES);

Material	TWA, mg/m ³	STEL, mg/m ³
Ethanol	1880	-

- Additional Information:** Wash hands before eating, drinking and smoking.
- Engineering Controls:** No controls required when handling small quantities. Use with adequate ventilation.
Larger quantities: General exhaust is adequate under normal operating conditions. Ventilation, lighting and electrical equipment should be explosion-resistant. Use only non-sparking tools. Take precautionary measures against static discharge.
- Protective Equipment:** In an industrial environment: safety glasses, chemical goggles and protective clothing are recommended. Gloves may be needed when handling larger quantities for prolonged periods, particularly for sensitive individuals. Wash contaminated clothing before reuse.
In case of inadequate ventilation wear respiratory protection. If TWA is exceeded, wear an approved respirator with a type A filter.



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Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Clear colourless liquid.
pH:	Not applicable.
Vapour Density:	> 1 (Air =1)
Vapour Pressure, kPa:	About 6
Boiling Point, °C:	About 80
Melting Point, °C:	Not applicable.
Specific Gravity:	About 0.85
Flash Point, °C:	15
Explosion Limit, % v/v:	LEL 5% UEL 20%
Autoignition Temp, °C:	Not available.
Solubility:	Miscible in water.

Section 10 – STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use. Not reactive. Avoid oxidisers. Avoid elevated temperatures.
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Section 11 – TOXICOLOGICAL INFORMATION

Basis for Assessment:	Information given is based on product testing, and/or similar products, and/or components.
Acute Oral Toxicity:	Low toxicity: LD50 of mixture calculated to be > 5,000 mg/kg, Rat. May be harmful if swallowed.
Acute Dermal Toxicity:	Low toxicity: LD50 of mixture calculated to be > 5,000 mg/kg, Rabbit. Low toxicity
Acute Inhalation Toxicity:	Prolonged inhalation of high concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
Skin Irritation:	May cause mild skin irritation in sensitive individuals. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
Eye Irritation:	Vapours may be irritating to the eye. Direct contact with eyes is irritating causing short term discomfort. Splashes may cause more serious irritation, particularly if wearing soft contacts.
Respiratory Irritation:	Inhalation of vapour may cause irritation to the nose and throat. The inhalation of large quantities will result in moderate discomfort. Symptoms of over-exposure can include dizziness, nausea, headaches and other central nervous system effects.
Sensitisation:	Not expected to be a sensitiser.
Repeated Dose Toxicity:	Central nervous system: repeated exposure may affect the nervous system. Prolonged contact with product may result in irritant contact dermatitis.
Additional Information:	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Section 12 – ECOTOXICITY INFORMATION

Ecotoxicity:	Not classed as ecotoxic.
Mobility:	Volatile in air and will rapidly evaporate to the air if released into water.
Persistence/degradability:	Expected to be biodegradable and rapidly degrade.
Bioaccumulation:	Not expected to bioaccumulate.



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Section 13 – DISPOSAL CONSIDERATIONS

- Material Disposal:** Product wastes should be disposed of in accordance with applicable regulations. Do not dispose into the environment, in landfill, in drains or in water courses. Large quantities should be handled by a suitable disposal facility. Product is ashless and incineration in an authorised facility is suggested.
- Container Disposal:** Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry. Recycle empty container in an approved recycling stream or through a suitable disposal facility.

Section 14 – TRANSPORT INFORMATION

- Transport:** Classified as a Dangerous Good for transport purposes.
- Proper Shipping Name:** ETHANOL SOLUTION
- UN Number:** 1170
- Dangerous Goods Class:** 3
- Packing Group:** II
- Transport Labels Required:** Class 3 Flammable (Land, Sea and Air)



- Subsidiary Risk:** Not applicable
- Marine Pollutant:** No
- EMS Number:** F-E, S-D
- DG Segregation:** This product is classified as a Dangerous Goods. Please consult the Land Transport Rule: Dangerous Goods 2005, and NZS 5433:2012 Transport of Dangerous Goods on Land for information.

Section 15 – REGULATORY INFORMATION

- Inventory Listing:** NZIOC (New Zealand Inventory of Chemicals); All components of this product are listed.
- SDS regulations:** This Safety Data Sheet was prepared in accordance with the EPA Hazardous Substances (Safety Data Sheets) Notice July 2017.
- EPA Approval Number:** HSR006424 Ethanol, >50% in a non-hazardous diluent
- Approved Handler:** Not required.
Required if > 250 L (in containers > 5 L).
Required if > 500 L (in containers up to 5 L).
- Tracking:** This substance is not a tracked substance.
- EPA Hsno Controls:** Refer to www.epa.govt.nz for information on Controls.

Section 16 – OTHER INFORMATION

- Additional information:** Health Effects from Exposure: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.



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Abbreviations	AICS	Australian Inventory of Chemical Substances
	ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail
	CAS	Chemical Abstract Service number
	EMS	Emergency Response Procedures for Ships Carrying Dangerous Goods
	EPA	Environmental Protection Agency (New Zealand)
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	IATA	International Air Transport Association
	IMDG	International Maritime Dangerous Goods
	LC ₅₀	Lethal Concentration, 50% / Median Lethal Concentration
	LD ₅₀	Lethal Dose, 50% / Median Lethal Dose
	LEL	Lower Explosion Limit
	mg/m ³	Milligrams per Cubic Metre
	NICNAS	National Industrial Chemicals Notification and Assessment Scheme (Australia)
	NZIoC	New Zealand Inventory of Chemicals
	N.O.S.	Not otherwise specified
	OEL	Occupational Exposure Limit
	PEL	Permissible Exposure Limit
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	TLV	Threshold Limit Value
	TWA	Time Weighted Average
	UEL	Upper Explosion Limit

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Chemz Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their Chemz representative or Chemz Limited at the contact details on page 1. Chemz Limited's responsibility for the material as sold is subject to the terms and conditions of sale.

End of sds.