Hand Sanitiser Gel 80%

1: Identification of the Material and Supplier

Product Identifier Hand Sanitiser Gel 80%

Other Means of Identification HANSAN80-2X5L.CTN

Ethanol 80% Gel

Recommended Use Hand Sanitiser

Supplier	**Organisation**	**Location**	**Contact Information**
	Chemform Pty Ltd ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: 1300 415 278 Fax: (08) 9344 4360 E-Mail: admin@chemform.com.au Web: www.chemform.com.au

Emergency Phone Number Poisons Information Centre (Australia) 13 11 26

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code

GHS Classification Flammable liquid category 2

Eye irritation category 2

Signal Word Danger

Hazardous Statement(s) Highly flammable liquid and vapour

Causes serious eye irritation

Precautionary Statement(s) Keep away from heat/sparks/open flames. No smoking. Keep container tightly closed. Ground container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves and eyewear. Wash hands thoroughly after handling. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. 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. In case of fire: use dry chemical or alcohol resistant foam for extinction. Store in a well-ventilated place. Keep cool. Dispose of container in accordance with local regulations.

3: Composition/Information on Ingredients

Ingredient	**CAS Number**	**Proportion (% v/v)**
Ethanol	64-17-5	80%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
Ingestion	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention.
Eyes	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
Skin	This product is intended to be used on human hands.
Inhalation	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
Symptoms Caused by Exposure	Please refer to Section 11- Toxicological Information.
Medical Attention and Special Treatment	Treat symptomatically.

5: Fire Fighting Measures

Suitable Extinguishing Equipment	Material is flammable. Extinguish fire using agent suitable for type of surrounding fire. Use alcohol resistant foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.
Specific Hazards Arising from the Chemical	This product is a flammable liquid. Keep away from sources of ignition. Vapours may accumulate in low lying areas and may form explosive mixtures. Oxides of carbon may be evolved in a fire. Burns with a colourless flame.
Special Protective Equipment and Precautions for Fire Fighters	Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.
Hazchem Code	•2YE

6: Accidental Release Measures

Personal Precautions	Shut off leaks if possible. Isolate area - keep unnecessary personnel away. Isolate sources of ignition. Avoid static discharge. Use non-sparking tools. Wear full protective equipment. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. . Clean up immediately to avoid accidents.	
Environmental Precautions	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.	
Spills and Disposal	**Small Spills** Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.	**Large Spills** Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgite, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

Head Office: 7 Kirke St, Balcatta WA 6021
chemform.com.au
admin@chemform.com.au
1300 415 278

7: Handling and Storage

Precautions for Safe Handling	Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic discharge may cause fire. Use PPE as described in section 8.
Conditions for Safe Storage	Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

8: Exposure Controls – Personal Protection

National Exposure Standards	Ethanol: 1880mg/m^3 (1000ppm) TWA (8hr).
Engineering Controls	Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.
Individual Protection	
Eyes/Face	Not generally required when used as per label directions. Avoid eye contact.
Hands	Not generally required when used as per label directions. This product is intended to be used on human hands.
Skin	Not generally required when used as per label directions.
Respiratory	Not generally required when used as per label directions. Use in a well-ventilated area.

9: Physical and Chemical Properties

Appearance	Clear gel
Odour	Alcoholic
pH	7.0 (10% in water)
Vapour Pressure	44 (mmHg @20°C)
Vapour Density	Ethanol 1.59 (air = 1, @15°C)
Flash Point	18°C (closed cup)
Flammability Limits	3.5% - 19.0% volume in air
Boiling Point	78°C
Melting Point	-117°C (ethanol)
Specific Gravity	0.87
Solubility	Soluble in water

10: Stability and Reactivity

Chemical Stability	The product is stable under normal conditions.
Possibility of Hazardous Reaction	None known
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources including static discharge.
Incompatible Materials	Strong oxidising agents and aluminium containers.
Hazardous Decomposition Products	Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

Head Office: 7 Kirke St, Balcatta WA 6021
chemform.com.au
admin@chemform.com.au
1300 415 278

11: Toxicological Information

Ingestion	Can cause drunkenness or harmful central nervous system effects. Excessive consumption may lead to acute intoxication, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. LD50 Oral (rat): 7060mg/kg LC50 Inhalation (rat, 6h): 5900mg/m^3.
Eye	Vapours may irritate the eyes. Liquid or mists may severely irritate or damage the eyes.
Skin	Although no conventional toxicological studies have been conducted to specifically examine skin defatting, the product could present irritant dermatitis due to defatting which is common to organic solvents.
Inhalation	Inhalation of vapours or mists may cause irritation to the respiratory system. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

12: Ecological Information

Ecotoxicity	In high concentrations it harms fish and plankton. 9,000 mg/L kills fish in 24 hours; threshold for deleterious effects in small crustaceans (Daphnia): upwards of 7,800 mg/L. Toxic threshold concentration: Pseudomonas putida upwards of 6,500 mg/L, Scenedesmus quadricauda upwards of 5,000 mg/L, Microsystis aeruginosa upwards of 1,450 mg/L. Fish toxicity: LC50>10,000 mg/L
Persistence/Degradability	Product will degrade in sewage treatment plants.
Bio-accumulative Potential	No data available
Mobility in Soil	No data available

13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.

14: Transport Information

UN Number	1170
Shipping Name	ETHANOL (ETHYL ALCOHOL) SOLUTION
Class	3
Subsidiary Risk	None allocated
Packing Group	II
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	•2YE
IERG Number	14

Head Office: 7 Kirke St, Balcatta WA 6021
chemform.com.au
admin@chemform.com.au
1300 415 278

15: Regulatory Information

Packaging & Labelling	This product is classified as a Scheduled Poison (S5) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a "Dangerous Good" by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By	Brett Amos
Date of Previous Issue	Not applicable
Changes Made	New product SDS
References	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice 2011. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
Contact Person/Point	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
Legal Disclaimer	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET

Head Office: 7 Kirke St, Balcatta WA 6021
chemform.com.au
admin@chemform.com.au
1300 415 278