

# Safety Data Sheet



## 1. Identification of the substance/mixture and supplier

Product Name: Hand Sanitiser  
Recommended use: WHO formulation for sanitising hand  
Supplier: Uroxsys Ltd  
Street Address: 2 Stonedon Drive, East Tamaki, Auckland  
Telephone Number: +64 9 2740808 (8.00am to 5.00pm, Monday to Friday)  
Facsimile: +64 9 2740500  
Emergency Telephone: After hours phone 0800 867666 (or 09 3034580), quote reference: Uroxsys Helpline  
National Poison Information Centre 0800 POISON (764766)  
Date of issue 24th March 2020

## 2. Hazards identification

### DANGER



3.1B, 6.1E(Oral), 6.4A, 6.8B, 6.8C, 6.9A

ERMA Approval: HSR002553

Group Standard: Denatured Ethanol Group Standard 2017

Classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land.

### Hazard Statements:

H225: Highly flammable liquid and vapour.

H303: May be harmful if swallowed

H319: Causes serious eye irritation.

H361: Suspected of damaging fertility or the unborn child

H362: May cause harm to breast fed children.

H372: Causes damage to organs through prolonged or repeated exposure.

### Prevention Statements

P102: Keep out of reach of children.

P103: Read label before use.

P201: Obtain special instructions before use

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

P210: Keep away from sparks/open flames. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

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

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge

P260: Do not breathe fumes, mist, vapors or spray  
P263: Avoid contact during pregnancy/while nursing  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P281: Use personal protection equipment as required.

### Response Statements

P101: If medical advice is needed, have product container or label at hand.  
P303+P361+P353: IF ON SKIN (or hair): Remove/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.  
P308+P313: If exposed or concerned: Get medical advice.  
P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P370+P378: In case of fire: Use Foam, dry agent (carbon dioxide, dry chemical powder) for extinction.

### Storage Statements

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

P405 Store locked up.

### Disposal Statements

P501 Do not let product enter the environment. Do not dispose of in waterways or sewers. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via waste collection. Empty containers should be left open in a well-ventilated area to dry. When dry, recycle the container via recycling programs. Disposal of empty containers via domestic recycling programs may differ between local authorities. Check with your local council first.

## 3. Composition/information on ingredients

Material	CAS No:	Content %
Ethyl alcohol	64-17-5	80%
Methanol	67-56-1	<2%
Glycerol	56-81-5	<2%
Hydrogen Peroxide	7722-84-1	<0.2%
Water		balance

## 4. First-aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre Phone 0800 764 766.

Ingestion: If swallowed, do NOT induce vomiting. Immediately rinse mouth with water. Seek medical assistance.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: If skin contact occurs remove contaminated clothing. Wash skin with soap and water. If skin irritation occurs: Get medical advice/ attention.

Eye Contact: Hold eyelids apart and rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Notes to physician: Treat according to symptoms.

## 5. Fire-fighting measures

Hazards from combustion:	On burning may emit toxic fumes including those of oxides of carbon.
Fire-fighting advice:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Suitable Extinguishing Media:	Use foam, dry agent (carbon dioxide, dry chemical powder) & water spray. Do not use water jet.
Hazchem Code	2[Y]E

## 6. Accidental release measures

Emergency procedures:	If contamination of sewers or waterways has occurred advise local emergency services.
Methods for containment & clean up:	Shut off all possible sources of ignition. Clear area of all unprotected personnel. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal.

## 7. Handling and storage

Handling advice:	Avoid eye contact and breathing in vapour. May form flammable vapour mixtures with air. All potential sources of ignition must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to a source of ignition and flash back.
Storage advice:	Store in a cool place and out of direct sunlight. Store away from acids, alcohols, oxidizing agents, moisture and sources of heat or ignition. Keep dry. Keep containers closed at all times, check regularly for leaks.

## 8. Exposure controls/personal protection

Occupational Exposure Limits:	No value assigned for this specific material by Worksafe NZ. However, NZ Workplace Exposure Standard(s) for constituent(s): Ethyl alcohol: 8hr TWA = 1000 ppm (1880 mg/m <sup>3</sup> ) Methanol: skin TWA 200ppm, 262mg/m <sup>3</sup> STEL 250ppm, 328 mg/m <sup>3</sup>
Engineering Control Measures:	Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Keep containers closed when not in use. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected.
Personal Protective Equipment:	Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating,

drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. Physical and chemical properties

Physical state:	Liquid
Solubility:	Soluble in water.
Specific Gravity:	0.82
Flash Point (°C):	13°C
Flammability Limits (%):	3.5 – 19
Boiling Point/Range (°C):	77 – 79
Colour	Water white

## 10. Stability and reactivity

Stability:	Stable under normal conditions
Conditions to avoid:	Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition and open flame.
Hazardous Reactions:	None specified.

## 11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	The ingestion of large quantities will cause adverse central nervous system effects. Symptoms include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe intoxication may cause hypoglycaemia and hypothermia. Other possible effects are decreased blood pressure, vomiting and blood discharges.
Eye contact:	May be irritating to eyes.
Skin contact:	This product can be irritating to the skin. Prolonged or repeated exposure may result in redness, itching, swelling. A small proportion of the population may develop and allergic reaction.
Inhalation:	Vapours may be moderately irritating to respiratory tract and mucous membranes. Inhalation may cause symptoms of headache, nausea and vomiting. High concentrations may lead to adverse central nervous system effects.
Long Term Effects:	Methyl alcohol a low concentration component in the product is identified as suspected of damaging fertility or the unborn child. May cause harm to breast-fed children. Classified as a substance that produces toxic human reproductive or developmental effects on or via lactation. Chronic intoxication from ingestion of the product, or repeated inhalation, may cause degenerative changes in liver, kidneys, hair, gastrointestinal tract and heart muscle.
Toxicological Data:	No LD50 data available for the product. The toxicity of the product may be attributed to the solvents it contains. For constituents: Ethanol: LD50 (rat) 7060 mg/kg, LC50 (rat) 20000ppm/10hr. Methanol: Oral, LD50 mouse 870mg/kg

## 12. Eco toxicological information

Avoid contaminating waterways. This product has not been classified as being toxic to aquatic life. Has a low potential for bioaccumulation and is substantially biodegradable in water.

### 13. Disposal considerations

Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

Empty container:

Do not contaminate storm water with product or product washing. Do not pour product down the drain. Unwanted product should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty containers should be left open in a well-ventilated area to dry out. When dry, recycle the container via recycling programmes. Disposal of empty containers via domestic recycling programmes may differ between local authorities. Check with your local council first.

### 14. Transport information



Road and Rail Transport

Classified as Dangerous Goods by NZS 5433 Transport of Dangerous Goods on Land.

UN No: 1170

Class-primary 3 Ethanol solution

Packing Group: II

Proper Shipping Name: ETHANOL SOLUTION

Hazchem Code: 2[Y]E

### 15. Regulatory information

ERMA Approval: HSR002553

Group Standard: Denatured Ethanol Group Standard 2017

### 16. Other information

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 Uroxsys Limited 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 Uroxsys Limited at the contact details on page 1.

While Uroxsys Ltd believes that the information contained herein is based on data considered accurate, no warranty or representation is expressed or implied for which Uroxsys Ltd assumes legal responsibility.

This version replaces all previous versions.

END OF SDS