

Cleanawerx Australia Pty Ltd

SECTION 1 – STATEME	NT OF CHEMICAL PR	ODUCT AND COM	PANY IDENTIFICATION					
Supplier	Cleanawerx Australia	Cleanawerx Australia Pty Ltd						
Address	P.O. Box 599 Paradise	P.O. Box 599 Paradise Point QLD 4216						
Trade name	CLEANAWOR	CLEANAWORX HANDBAC						
Telephone	0449 266 673	Email:	info@cleanawerx.com.au					
Ah emergency telephone	13 11 26 in Australia	ABN:	501 912 712 84					
Substance	Water Based	Product Use:	Hand Sanitiser Gel					
Creation date	December 2019	<b>Revision Date:</b>	December 2024					
Product code	CWHS							

SECTION 2 – STATEMEN	IT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION					
Classification of the substance or mixture						
Poisons Schedule	Not scheduled					
ADG Code	Flammable 3					
GHS Classification	Flammable liquids Category 3 Eye Irritation Category 2A					
Label elements						
GHS label pictograms						
Signal word	WARNING					
Hazard statement(s)						
H226	Flammable liquid and vapour.					
H319	Causes serious eye irritation					
Precautionary statement(s): General						
P101	If medical advice is needed, have product container or label at hand.					
P102	Keep out of reach of children.					
P103	Read label before use.					
Precautionary statement(s): Prevent	ion					
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.					
P233	Keep container tightly closed.					
P240	Ground/bund container and receiving equipment.					
P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.					
P242	Use only non-sparking tools.					
. = . =	, 1 0					
P243	Take precautionary measures against static discharge.					



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P280	Wear protective gloves/eye protection/face protection.					
Precautionary statement(s): Response						
P370+P378	In case of fire: Use alcohol resistant foam/water spray/fog for extinction.					
P303+P361+P353	IF ON SKIN (or hair): 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.					
Precautionary statement(s): Storage						
P403+P235	Store in well ventilated place. Keep cool.					
Precautionary statement(s): Disposa						
P501	Dispose of contents/container in accordance with local regulations.					
Note						
IMPORTANT	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:10 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.					

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS							
Ingredient CAS Name Proportion							
ethanol	64-17-5	>60 %w/w					
Water 7732-18-5 30 – 60 %w/w							

SECTION 4 – FIRST AID MEASURES							
Description of necessary first aid mea	Description of necessary first aid measures						
Eye Contact	If this product comes in contact with eyes, rinse cautiously with water for several						
	minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If						
	symptoms persist transport to nearest medical facility for additional						
	treatment.						
Skin contact	If skin contact occurs, remove contaminated clothing and wash skin						
	thoroughly with water and follow by washing with soap if available.						
Inhalation	Inhalation Remove victim from exposure if safe to do so. If rapid recovery does not						
occur, transport to nearest medical facility for additional treatment. Remove							
contaminated clothing.							
Ingestion	If swallowed, do NOT induce vomiting. Transport to nearest medical facility						
	for additional treatment.						
Symptoms caused by exposure	Symptoms caused by exposure						
Inhalation:	Health injuries are not known or expected under normal use.						
Skin:	Health injuries are not known or expected under normal use.						
Eye:	May include burning sensation, redness, swelling and/or blurred vision.						



#### **Cleanawerx Australia Pty Ltd**

Product: CLEANAWORX
HANDBAC

#### Ingestion:

Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremors, convulsion, loss of consciousness, coma, respiratory arrest and death.

Medical attention and special treatment

Treat symptomatically

#### **SECTION 5 – FIRE FIGHTING MEASURES** Suitable extinguishing equipment / media Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet. Special hazards arising from the chemical Fire incompatibility Carbon monoxide and/or carbon dioxide may be evolved. Special protective equipment and precautions for fire fighters Wear full protective clothing and self-contained breathing apparatus. Fire Fighting Hazchem code •2Y Prevent, by any means available, spillage form entering drains or watercourse. Consider evacuation (or protect in place). Fight Fire from a safe distance, with adequate cover. If safe, switch off electrical equipment until vapour fire hazard removed. Liquid and vapour are flammable. Fire/Explosion Hazard Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. Combustion products include carbon dioxide (CO<sub>2</sub>), other pyrolysis

#### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

#### Personal precautions, protective equipment and emergency procedures

#### Minor spills

- Remove all ignition sources.
- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

products typical of burning organic material.

- Control personal contact with the substance, by using protective equipment.
- For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.



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Major spills	<ul> <li>Clear area of personal and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>May be violently or explosively reactive.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage form entering drains or watercourse.</li> <li>Consider evacuation (or protect in place)</li> <li>No smoking, naked lights or ignition sources.</li> <li>For larger spills (&gt; 1 drum), transfer by means such as a vacuumtruck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste.</li> <li>Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.</li> </ul>
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Environmental precautions	
	<ul> <li>Use appropriate containment to avoid environmental contamination.</li> <li>Prevent from spreading and entering waterway using sand, earth or other appropriate barriers.</li> <li>Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays.</li> <li>Ventilate contaminated area thoroughly.</li> </ul>
Methods and materials for containm	ent and cleaning up
	<ul> <li>Avoid contact with spilled or released material.</li> <li>Shut off leaks, if possible without personal risks.</li> <li>Isolate hazard area and deny entry to unnecessary or unprotected personnel.</li> <li>Remove all sources of ignition in the surrounding area.</li> <li>Take precautionary measure against static discharge.</li> <li>Ensure electrical continuity by bonding and earthing all equipment.</li> <li>Personal protective equipment advice is contained in Section 8 of the SDS.</li> </ul>

SECTION 7 – HANDLING AND STORAGE					
Precautions for safe handling					
Safe handling	<ul> <li>Wear prescribed protective clothing.</li> <li>Use in well ventilated area.</li> <li>Do NOT eat, drink or smoke when handling.</li> <li>Wash hands after use.</li> <li>Keep containers closed tightly when not in use.</li> <li>Store in accordance to manufacturers instructions.</li> </ul>				
<ul> <li>Other information</li> <li>Store in original containers.</li> <li>Store in a cool, dry, well ventilated area out of direct sunlight.</li> <li>Store in flammable approved cupboards or storage containers.</li> </ul>					
Conditions for safe storage, including any incompatibilities					



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Suitable container	Bulk storage tanks should be bunded.
	<ul> <li>Store in original containers provided by the manufacturer.</li> </ul>
Storage incompatibility	<ul> <li>Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.</li> </ul>
	<ul> <li>Do not store near strong oxidants.</li> </ul>

Stora	ge inco	<ul> <li>Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.</li> <li>Do not store near strong oxidants.</li> </ul>									
SE	СТІО	N 8 – E	KPOS	URE CO	ONTROLS AN	<b>ID</b>	PERSC	NA	L PRO	ГЕСТІ	ON
Occupational E	xposur	e Limits	See	Ingredien	its Data and Eme	rger	ncy Limits	s belo	DW.		
		(OEL	)								
Ingredients data											
Source	Ingre	dient	Matei name		TWA	STEL			Peak		Notes
Australian Exposure Standards	et	thanol	Ethyl	alcohol	1880mg/ m3 1000 ppm	N	Not available		Not available		Not available
Emergency limits											
Ingredient		TEEL-0		TEEL-1		TEEL-2			TEEL-3		
Ethanol		1000ppn	n	3000ppm		3300ppm 3		3300	ppm		
IDLH data											
Ingredient				Original IDLH			Revised IDLH				
Ethanol				15,000 ppm 3,300 ppm							
Exposure controls											
Appropriate engineering controls  Ensure adequate ventilation to keep airborne concentrations below exposure standards.											
Personal protection	on										
The selection of PPE is dependent on a detailed risk assessment.											

- The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.
- The following protective equipment should be available.



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Eye and face protection	<ul> <li>Generally not required to handle the product as a hand sanitizer gel as per label directions.</li> <li>The use of safety glasses with side shield protection, goggles or face shield is recommended to handle concentrate in quantity, cleaning up spills, decanting, etc.</li> </ul>
	<ul> <li>Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.</li> </ul>
Skin protection	See hand protection below
Hand protection	<ul> <li>Not required to handle the product as per label directions.</li> <li>Overalls, apron, work boots and elbow length gloves are recommended to handle in quantity, cleaning up spills, decanting, etc. (as per AS/NZS 2161, or as recommended by supplier).</li> </ul>
Body protection	Normal work clothes and boots
Respiratory protection	<ul> <li>No personal respiratory protective equipment normally required.</li> <li>If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter.</li> <li>Respirators should comply with AS1716 or an equivalent approved by a</li> </ul>
Other protection	state/territory authority.      Ensure there is access to eye wash.
<u> </u>	<u>'</u>
Thermal hazards	Not Available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES								
Information on basic physical and chemical properties								
Appearance	Colourless non-viscous liquid with a characteristic odour.							
Physical state	Liquid gel	Relative density (water=1)	0.99 @ 25 °C					
Odour	Alcohol & lemon	Partition coefficient n- octanol/water	Not Available					
Odour threshold	Not Available	Auto-ignition temperature (°C)	392°C					
pH (as supplied)	Not Available	Decomposition temperature	Not Available					
Melting Point / Freezing Point (°C)	Not Available	Viscosity (cSt)	Not Available					
Initial boiling point and boiling range (°C)	78°C	Molecular weight (g/mol)	Not Available					
Flash point (°C)	24 °C closed cup	Taste	Not Available					
Evaporation rate	Not Available	Not Available Explosive properties Not Available						
Flammability	Flammable	Flammable Oxidising properties Not Available						
Upper Explosive Limit (%)	19% (for ethanol)	Surface Tension (dyn/cm or mN/m)	Not Available					
Lower Explosive Limit (%)	3.5% (for ethanol)	Volatile Component (%vol)	99					
Vapour pressure (kPa)	Not Available	Gas group	Not Available					



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Solubility in water (g/L)	Miscible	pH as a solution (1%)	Not Available
Vapour density (Air=1)	1.59 @ 15°C (for ethanol)	VOC g/L	Not Available

SECTION 10 – STABILITY AND REACTIVITY		
Reactivity	Stable under normal conditions of use.	
Chemical stability	Stable under normal conditions of use.	
Possibility of hazardous	Stable under normal conditions of use.	
reactions		
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.	
Incompatible materials	Strong oxidising agents.	
Hazardous decomposition	Burning can produce carbon monoxide and/or carbon dioxide.	
products		

SECTION 11 – TOXILOGICAL INFORMATION				
Information on toxicological effects				
Inhaled	Health injuries are not known or	expected under norma	al use.	
Ingestion	Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremors, convulsion, loss of consciousness, coma, respiratory arrest and death.			
Skin contact	Not expected to be irritating to skin.			
Eyes	May include burning sensation, redness, swelling and/or blurred vision. Discomfort may last up to 2 days but healing is usually spontaneous and complete.			
Chronic	Health injuries are not known or expected under normal use.			
HAND-BAC SANITIZER GEL (as so	HAND-BAC SANITIZER GEL (as sold)			
Acute Toxicity	Not toxic, based on ingredients. Oral LD50 (calculated): > 20,000 mg/kg	Irritation	Causes eye irritation, based on ingredients.	
Individual constituents				
Ethanol				
Acute Toxicity	Low toxicity in animals - LD50 Oral (rat) : 7060mg/kg LC50 Inhalation (rat, 6h) : 5900mg/m³	Carcinogenicity	Not listed as a carcinogen NTP, IARC, OSHA, EPA.	
Skin Irritation/Corrosion	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.	Reproductivity	Not expected to impair fertility.	

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## **SAFETY DATA SHEET (SDS)**

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Serious Eye Damage/Irritation	Vapours may irritate the eyes.	STOT – Single	No data available
	Liquid or mists may severely	Exposure	
	irritate or damage the eyes.		
Respiratory or Skin sensitivity	or Skin sensitivity No data available		No data available
		Exposure	
Mutagencity	No data available	Aspiration Hazard	Yes

SECTION 12 – ECOLOGICAL INFORMATION		
Toxicity		
	Expected to be harmful. Ethanol biodegrades in soil rapidly. If a large quantity is in contact with soil it may leach into the ground water, however most is lost by evaporation. Ethanol is biodegradable and does not bio-accumulate to an appreciable extent.	

Aqua-Toxicity				
HAND-BAC (as sold)	Acute Aquatic Toxicity (Calculated) LC50: > 450 mg/L. Acute Aquatic Toxicity <b>NOT HAZARDOUS</b> .			
(as solu)	Not harmful to aquatic life. LC50 > 100mg/L.			
Individual Constituents:				
Ethanol	Ethanol biodegrades in soil rapidly. If a large quantity is in contact with soil it may			
	leach into the ground water, however most is	leach into the ground water, however most is lost by evaporation. Ethanol is		
	biodegradable and does not bio-accumulate	to an appreciable extent.		
	Bluegill Sunfish LC50/96hr : >13500mg/L	Bluegill Sunfish LC50/96hr: >13500mg/L		
	Rainbow Trout LC50/24hr : 11200mg/L (Flow through)			
	Golden Ide LC0/48hr : >1000mg/L			
	Daphnia Magna EC50/24hr : >1000mg/L	Daphnia Magna EC50/24hr : >1000mg/L		
Persistence and degradability				
Ingredient	Persistence: Water/Soil	Persistance: Air		
Ethanol	Biodegradable.	Not Available		
Bioaccumulative potential				
Ingredient	Bioaccumulation			
Not Available	Not Available			
Mobility in soil				
Ingredient	Mobility			
Ethanol	Does not bio-accumulate to an appreciable extent.			



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SECTION 13 – DISPOSAL CONSIDERATIONS		
Waste treatment methods		
Product and Packaging Disposal	Recycle containers if possible, or dispose in an authorised landfill. Ensure waste disposal confirms to local waste disposal regulations.	

SI	ECTION 14 – TRANS	PORT INFORMATION
Labels Required		
Transport pictogram	FLANMAELE LIQUID	
Marine Pollutant	No	
HAZCHEM	•2Y	
Land Transport (ADG)		
UN number	1170	
Packing group		
HAZCHEM	•2Y	
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION)	
Environmental hazard class(es)	No relevant data	
Transport hazard class(es)	Class Subrisk	3
Special precautions for user	Special provisions Limited quantity	144 1L
Air transport (ICAO-IATA / DGR)		
UN number	1170	
Packing group	III	
UN proper shipping name	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	
Environmental hazard	No relevant data	
Transport hazard class(es)	ICAO/IATA Class	3
	ICAO/IATA Subrisk	
	ERG Code	3L
Special precautions for user	Special provisions	A3A58A180
	Cargo Only Packaging Instructions	364
	Cargo Only Maximum	60L



## Cleanawerx Australia Pty Ltd

Product: CLEANAWORX
HANDBAC

Qty/Pack	
Passenger and Cargo Packing Instructions	353
Passenger and Cargo Maximum Qty/Pack	5L
Passenger and Cargo Limited Quantity Packaging Instructions	Y341
Passenger and Cargo Limited Maximum	1L
Qty/Pack	

#### Sea transport (IMDG-Code / GGVSee)

UN	1170	
Packing	111	
UN proper shipping	ETHANOL (ETHYL ALCOHOL) or	
name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	
Environmental hazard	Not Available	
Transport hazard	IMDG Class	3
class(es)		
Special precautions for	EMS Number	F-E, S-D
user	Special provisions	144
	Limited Quantities	1L

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Source	Ingredient	Pollution Category	Residual Concentration – outside special Area (%w/w)	Residual Concentration
40-7-4-9-0-0-MK- 20041022	Ethanol	Not Available	Not Available	Not Available

SECTION 15 – REGULATORY INFORMATION	
Health, safety and environment regulations	
Poisons Schedule	Not scheduled

SECTION 16 – OTHER INFORMATION		
Issue Date	26 <sup>th</sup> August 2016	
Version Number	2.0	



## Cleanawerx Australia Pty Ltd

Literature references	<ul> <li>ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.</li> <li>AICS: Australian Inventory of Chemical Substances.</li> <li>CAS Number: Chemical Abstracts Service Registry Number.</li> <li>GHS: Globally Harmonized System of Classification and Labelling of Chemicals</li> <li>HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.</li> <li>HSIS: Hazardous Substances Information System</li> <li>IARC: International Agency for Research on Cancer.</li> <li>NOHSC: National Occupational Health and Safety Commission.</li> <li>NTP: National Toxicology Program (USA).</li> <li>SDS: Safety Data Sheet</li> <li>STEL: Short Term Exposure Limit.</li> <li>SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.</li> <li>TWA: Time Weighted Average.</li> <li>UN Number: United Nations Number.</li> <li>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</li> <li>GHS Hazardous Chemical Information List (Safe Work Australia)</li> <li>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.</li> <li>Global Harmonized System of Classification and Labelling of Chemicals "Australian Exposure Standards"</li> <li>Australian Exposure Standards"</li> <li>Australian Code For The Transport Of Dangerous Goods By Road And Rail Standard for the Uniform Scheduling of Medicines and Poisons</li> <li>Material Safety Data Sheets – individual raw materials – Suppliers.</li> <li>Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]</li> <li>Hazardous Substance Information System – National Worksafe Data Base.</li> <li>IMPLEMENTATION OF THE GLOBALLY HARMONISED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) APRIL2012</li> </ul>	
Risk assessments	This SDS is a tool to communicate hazards which can assist you in creating relevant risk assessments for your workplace. There are many variables in determining whether a particular hazard is a risk in your workplace. Keep in mind this may be influenced by such things as the amount used, frequency of use, engineering controls, effectiveness of safety training and many more considerations.	
Disclaimer	Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be	



# Cleanawerx Australia Pty Ltd

End of SDS		
Copyright	This document is copyright.	
	made, the user should contact XO2 Pty Ltd. Our responsibility for products sold are subject to our standard terms and conditions. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used including good industrial hygiene.	

Document Revision History			
Revision Version #	Date	Reason for revision	
Draft		GHS format	
2.0	26/08/2016	Review by Tuwai Specialties. <u>tuwai.wt@bigpond.com</u>	