

Section 1. IDENTIFICATION

Product identifier: Zexa Hand Sanitiser RTU (70% Ethanol based)

Product Code: 2-601

Description /Use: Hand Sanitiser

Business name: Zexa Chemicals

Address: 28 Strathmore Road Caves Beach
NSW 2281 Australia

Phone: +61 2 4970 7777

Fax: +61 2 9475 4880

Email: sales@zexa.com.au

Website: www.zexa.com.au

Use only according to directions on product spec sheet and label.

Other Means of Identification:

Shipping Name Ethanol Solution

UN Number UN1170

Other Information

This is a personal care product. This SDS contains useful information for the safe handling and proper use of the product. Consumers: Refer to the package insert or product label for appropriate consumer specific information about this product when used according to manufacturer's directions.

Poisons Information Centre Contact Number: 13 11 26

Section 2. HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australia Code for the transport of Dangerous Goods by Road and Rail (7th edition).

Label Elements:

Flame
Exclamation mark



Flammable Liquids 2

H225 Highly Flammable liquid and vapour

Serious Eye Damage/Irritation 2A

H319 Causes serious eye irritation

Signal Word:

Danger

Hazard Statements:

H225 – Highly Flammable liquid and vapour

H319 – Causes serious eye irritation

Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. 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
- P264 Wash hands, and any exposed skin thoroughly after excessive handling
- P280 Wear protective gloves / protective clothing/eye protection/face protection
- 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. Continue rinsing if irritation occurs seek medical advice/attention
- P337 +P313 If eye irritation persists: Get medical attention/advice
- P370+P378 In case of fire: Use to extinguish: Co2, powder or water spray
- P403 + P235 Store in a well-ventilated place. Keep cool
- P501 Dispose of contents/container in accordance with local/regional/national regulations

Section 3. COMPOSITION INFORMATION

Chemical Characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions

Hazardous Components:

CAS: 64-17-5	Ethanol Flammable Liquids 2, H225	60-65%
	Serious Eye Damage/Irritation 2A, H319	

Section 4. FIRST AID

Description of first aid measures:

Emergency Telephone Number: Poisons Information Centre 13 11 26

Inhalation: Remove to fresh air

Ingestion: Do NOT induce vomiting. Give plenty of water to drink, clean mouth. Seek medical attention.

Skin Contact: Remove contaminated clothing and launder. Wash affected skin with water.

Eye Contact: Hold the eyes open and flush with water for at least 15 minutes. Seek medical attention

First Aid Facilities: This Safety Data Sheet should be provided to the attending medical doctor. Normal washroom facilities are generally suitable. It is recommended that an eyewash station be available and ready for use. Advice to Doctor: treat symptomatically.

Self-protection of the first aider: Remove all sources of ignition. Ensure that medical personnel are aware of the material (s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid excessive contact with skin, eyes, or clothing.

Most important symptoms and effects, both acute and delayed:

Symptoms: May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

Section 5. FIRE FIGHTING MEASURES

Extinguishing Media: Water fog, foam, Dry chemical, Carbon dioxide (CO₂). Do not use full water jet as it may scatter and spread the fire

Specific Hazards arising from the chemical: Risk of ignition. Keep product and empty container away from heat and sources of ignition. Vapours may travel considerable distances to a source of ignition where they can ignite, flashback or explode. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed or in accordance with local regulations

Hazardous Combustion Products: If this product is involved in a fire, the water contained in it may evaporate, leaving a residue which may combust. During combustion, the residue may produce carbon monoxide as well as other unidentifiable organic compounds.

Protective Equipment: Fire fighters are to wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes, or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other Information

Ventilate the area. Refer to protective measures listed in Sections 7 and 8

Environmental Precautions

Refer to protective measures in Sections 7 and 8. Prevent further leakage or spillage if safe to do so

Spills & Disposal

Method for Containment:

Stop leak if you can do it without risk. Wear appropriate protective equipment. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run off water. Keep out of drains, sewers, ditches, and waterways. Absorb with earth, sand or other non-combustible material and transfer containers for later disposal.

Method for Cleaning Up:

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material, sand, earth, vermiculite. Pick up and transfer to properly labelled containers.

Precautions to prevent Secondary Hazards:

Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7. HANDLING AND STORAGE

Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No Smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire, or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use accordingly to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid excessive contact with skin, eyes, or clothing. Do not eat, drink, or smoke when using this product.

Store in plastic containers in a clean, dry, cool, well ventilated place away from foodstuffs. Protect from heat, sparks, open flames, and other sources of ignition. Keep containers sealed when not in use. It is recommended that this product be dispensed through approved dispensers.

Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters:

Exposure Limits

Chemical Name	Australia	ACGIH TLV
Ethanol 64-17-5	1000 ppm 1880 mg/m ³	STEL: 1000ppm

Appropriate engineering controls: Ventilation systems to be adequate of the working area

Respiratory Protection: Not required under normal use conditions

Skin Protection: Not required under normal use conditions

Eye and Face Protection: Not required under normal use conditions

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Gel

Colour:

Blue

Flashpoint (°C):	Highly flammable	Boiling Point (°C):	NA
Flammability Limits (%):	NA	Vapour:	NA
Water Solubility:	Soluble	Specific Gravity:	NA
pH:	NA	Odour:	Alcohol
Evaporation rate	No data available		None known
Flammability (solid, gas)	No data available		None known
Flammability Limit in Air			None known
Upper flammability or explosive limits	No data available		
Lower flammability or explosive limits	No data available		
Vapour pressure	No data available		None known
Vapour density	No data available		None known
Relative density	No data available		None known
Water solubility	No data available		None known
Solubility(ies)	No data available		None known
Partition coefficient	No data available		None known
Autoignition temperature	No data available		None known
Decomposition temperature	No data available		None known
Kinematic viscosity	No data available		None known
Dynamic viscosity	No data available		None known
Explosive properties	No information available.		
Oxidising properties	No information available.		
<u>Other information</u>			
Softening point	No information available		
Molecular weight	No information available		
VOC Content (%)	No information available		
Liquid Density	No information available		
Bulk density	No information available		

Section 10. STABILITY AND REACTIVITY

Reactivity:	None under normal use conditions
Stability:	Stable at ambient temperature and under normal conditions
Explosion:	Sensitive to static discharge
Hazardous Polymerisation:	Will not occur under normal conditions
Materials to Avoid:	None known based on information supplied
Conditions to Avoid:	Heat, flames, and sparks

Incompatible Materials: Strong oxidising agents

Hazardous Decomposition: Oxides of carbon

Section 11. TOXICOLOGY INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
CAS: 64-17-5 Ethanol		
Oral	LD ₅₀	7,060 mg/kg (rat)
Inhalation	LC ₅₀ /4 h	20,000 mg/l (rat)

Acute Health Effects

Inhalation: No adverse health effects expected.

Skin: No adverse health effects expected.

Eye: Causes serious eye irritation.

Ingestion: No adverse health effects expected.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Triethanolamine and brilliant Blue FCF, disodium salt are classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:	
CAS: 64-17-5 Ethanol	
EC ₅₀ /48 h	9,268-14,221 mg/l (daphnia) >100 mg/l (selenastrum capricornutum)
EC ₅₀ /72 h	275 mg/l (algae)
LC ₅₀ /96 h	>100 mg/l (fathead minnow)
LC ₅₀ /48 h	12-16 mg/l (rainbow trout) >100 mg/l (golden orfe)

Persistence and Degradability: No further relevant information available.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.

Other adverse effects: No further relevant information available.

Section 13. DISPOSAL CONSIDERATIONS

Disposal methods: Refer to Waste Management Authority. Dispose of contents/container in accordance with Local/regional/national/international regulations. Should not be released into the environment.

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

Section 14. TRANSPORT INFORMATION

UN Number	UN1170
ADG, IMDG, IATA	
Proper Shipping Name	ETHANOL (ETHYL ALCOHOL)
ADG, IMDG, IATA	
Dangerous Goods Class	
ADG Class:	3 Flammable liquids.
Packing Group:	
ADG, IMDG, IATA	II
EMS Number:	F-E,S-D
Hazchem Code:	•2YE
Special Provisions:	144
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

Section 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substances or mixture

Australian Inventory of Chemical Substances:	
CAS: 64-17-5	Ethanol
CAS: 102-71-6	Triethanolamine
CAS: 64-02-8	Tetrasodium ethylenediaminetetraacetate
CAS: 100-09-4	p-anisic acid
CAS: 3567-66-6	2,7-Naphthalenedisulfonic acid, 5-amino-4-hydroxy-3-(phenylazo)-, disodium salt
CAS: 3844-45-9	Acid blue 9
CAS: 7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Not Scheduled.

National regulations - Australia

See section 8 for national exposure control parameters

Major hazard (accident/incident planning) regulation

Verify that licence requirements are met

Hazardous Chemical

Threshold quantity (T)

Liquids that meet the criteria for Class 3 Packing Group II or III	50,000
Liquids with flash points <61°C kept above their boiling points at ambient conditions	200

National pollutant Inventory

Subject to reporting requirement

ETHANOL 64-17-5 10 tonnes/yr Threshold Category 1

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
E NECS/EL NCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
ECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

Section 16. OTHER INFORMATION

Date of issue: 30/06/2020

Initial Release

This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier

Abbreviations and acronyms:

ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICS: Australian Inventory of Chemical Substances.

CAS Number: Chemical Abstracts Service Registry Number.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

HAZCHEM: An emergency action code of numbers and letters which gives information to emergency services.

HSIS: Hazardous Substances Information System.

IARC: International Agency for Research on Cancer.

NOHSC: National Occupational Health and Safety Commission.

NTP: National Toxicology Program (USA).

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit.

SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons.

TWA: Time Weighted Average.

UN Number: United Nations Number.

Literature references:

- Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)
- GHS Hazardous Chemical Information List (Safe Work Australia)

- Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. Safe Work Australia.
- Global Harmonized System of Classification and Labelling of Chemicals • “Australian Exposure Standards”
- Australian Code for The Transport Of Dangerous Goods By Road and Rail
- Standard for the Uniform Scheduling of Medicines and Poisons
- Safety Data Sheets – individual raw materials – Suppliers.
- Approved Criteria for Classifying Hazardous Substances NOHSC:1008(1999)]
- Hazardous Substance Information System – National Worksafe Data Base.
- Hazardous Chemical Information System (HCIS).
- Implementation of the globally harmonised system of classification and labelling of chemicals (GHS).
- ECHA (European Chemicals Agency)

End