Safety Data Sheet

Hazardous Chemical, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Actex
Recommended use: Sanitiser

Supplier: Hygiene Technologies Ltd
Street Address: 28 Rangitane Rd
Whakatu, Hastings 4172
New Zealand

Telephone: + 64 6 876 4111 or 0800 732 525
Facsimile: + 64 6 878 3802

Emergency Telephone number: New Zealand Poisons Centre
0800 POISON (0800 POISON)

2. HAZARDS IDENTIFICATION

This material is hazardous according to Hazardous Substances and New Organisms Act 1996



Signal Word
Danger

Hazard Classifications
Flammable Liquid – Category 2
Serious Eye Damage - Category 2

Hazard Statements

H225	Heating may cause a fire.
H319	Causes serious eye irritation

Prevention Statements

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from sparks, open flames, or hot surfaces. No smoking.
P233	Keep container tightly closed
P240	Ground container and receiving equipment
P241	Use explosion-proof electrical, ventilating, and lighting
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P280	Wear protective clothing, eye or face protection.

Response Statements

P101	If medical advice is needed, have product container or label at hand.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing.

	Rinse skin with water or 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.
P370+P378	In case of fire: Use foam or dry powder

Storage Statements

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

Disposal Statement

P501	Dispose of contents and container in accordance with local, regional, national and international regulations.

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Ethanol (Denatured)	64-17-5	>60%
Ingredients determined to be Non-Hazardous		Balance

4. FIRST AID MEASURES

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

Inhalation: Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water.

Eye contact: Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove contact lens if present and easy to do

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Immediately call Poisons Centre or Doctor.

Notes to physician: Treat symptomatically

5. FIRE FIGHTING MEASURES

Hazchem Code: 3YE

Suitable extinguishing media: If material is involved in a fire use, alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Heating may cause a fire.
Fire fighting further advice: Heating can cause expansion or decomposition leading to

violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS
Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with non-combustible absorbent. Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS
If safe to do so, shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Use a spark-free shovel. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Do not expose to temperatures exceeding manufacturer's/supplier's recommendations. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

As published by WorkSafe New Zealand.	TWA		STEL		NOTICES
	ppm	mg/m^3	ppm	mg/m^3	
Ethanol	1000	1880	-	-	

WES-TWA (Workplace Exposure Standard - Time-weighted average). The average airborne concentration of a substance calculated over an eight-hour working day.

WES-STEL (Workplace Exposure Standard - Short-term exposure limit). The 15-minute time weighted average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

Personal Protection Equipment: RUBBER BOOTS, OVERALLS, GLOVES, APRON, CHEMICAL GOGGLES, AIR MASK.

Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.
Wear rubber boots, overalls, gloves, apron, chemical goggles, air mask. Use with adequate ventilation. If inhalation risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colourless	Vapour Pressure	N/A
Form	Liquid	Vapour Density	N/A
Odour	Ethanolic	Specific Gravity	N/A
pH	1 - 2	Solubility	Complete
Freezing point	N/A	Partition coefficient	N/A
Boiling point	N/A	Auto-ignition temp	N/A
Flash Point	<23ºC	Decomposition temp	N/A
Flammability	Flammable	Kinematic viscosity	<50 cP
Explosive limits	N/A		

10. STABILITY AND REACTIVITY

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents

Hazardous decomposition products: Oxides of carbon and sulfur, smoke and other toxic fumes.

Hazardous reactions: No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

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

No data available on final product. Information based on ingredients

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract. Can cause intoxication.

Skin contact: Can cause skin dryness.

Ingestion: Ingestion can cause vomiting.

Eye contact: A severe eye irritant.

Acute toxicity

This material is not considered acutely toxic to humans.

Corrosion/Irritancy:
Eye: this material has been classified as Serious Eye Irritation - Category 2

Sensitisation:
This material has not been classified as a skin or respiratory sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity: This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.
Carcinogenicity: This material has been classified as non-hazardous.
Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Acute aquatic hazard:. This material has been classified as non-hazardous.

Long-term aquatic hazard: This material has been classified as non-hazardous.

Ecotoxicity in the soil environment: This material has been classified as non-hazardous.

Ecotoxicity to terrestrial vertebrates: This material has been classified as non-hazardous

Ecotoxicity to terrestrial invertebrates: This material has been classified as non-hazardous

Persistence and degradability: Expected to be rapidly degradable

Bioaccumulative potential: Not expected to bioaccumulate

13. DISPOSAL CONSIDERATIONS

Dispose of product according to local regulations

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land", International Maritime Dangerous Goods Code (IMDG Code) for transport by sea, and the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

ROAD AND RAIL TRANSPORT



UN No:	1987
Dangerous Goods Class:	3
Packing Group:	II
Hazchem Code:	3YE
Proper Shipping Name:	ALCOHOLS, N.O.S. (Ethanol)

MARINE TRANSPORT



UN No:	1987
Dangerous Goods Class:	3
Packing Group:	II
Proper Shipping Name:	ALCOHOLS, N.O.S. (Ethanol)

AIR TRANSPORT



UN No:	1987
Dangerous Goods Class:	3
Packing Group:	II
Hazchem Code:	3YE
Proper Shipping Name:	ALCOHOLS, N.O.S. (Ethanol)

15. REGULATORY INFORMATION

EPA Group Standard: HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2020

All components are listed on the New Zealand Inventory of Chemicals (NZIoC).

This material is not subject to the following international agreements:
Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material is subject to the following international agreements:
Basel Convention (Hazardous Waste)

- Residues arising from industrial waste disposal operations

HSNO Controls Trigger Quantities:

• Certified Handler:	No
• Secured when unattended	> 500L
• Location test certificates:	> 250L
• Fire extinguishers:	2
• Signage:	> 250L
• Emergency response plans	> 1000L
• Secondary containment:	> 1000L

16. OTHER INFORMATION

Date issued:	21/02/2022
Version:	1.0
Replaces:	N/A (New SDS)
Date of Next review:	21/02/2027

Safety Data Sheets are updated frequently. Please ensure that you have a current copy. This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.