

Section 1: Identification of the Substance and the Supplier.

Product Name: **Handsan 2**
Recommended use: Alcohol based hand sanitiser
Company details: Aakland Chemicals (1997) Ltd
Address: 12 Wigram Close, Sockburn
PO Box 323, Christchurch 8140
Telephone number: +64 3 341 8490 **Facsimile:** +64 3 341 8491
Email: lab@aakland.co.nz
Emergency Phone No: 0800 243 622 (0800 CHEMCALL) for out of hours advice

Section 2: Hazards identification

Road and Rail Transport: Classified as a Dangerous Good under NZS 5433:2007 (Transport of Dangerous Goods on Land)

SIGNAL WORD: Warning

HSNO classifications: 3.1 B Highly flammable liquid and vapour
6.1 E May be harmful if swallowed
6.3 B Causes mild skin irritation
6.4 A Causes eye irritation

ERMA NZ Approval: HSR 002528 Cleaning Products (Flammable) Group Standard



Hazard Statement(s):

H225 – Highly flammable liquid and vapour.
H303 – May be harmful if swallowed.
H316 – Causes mild skin irritation.
H319 – Causes serious eye irritation.

Precautionary Statements

Prevention:

P102 – Keep out of reach of children.
P103 – Read label before use.

Safety Data Sheet

- 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 thoroughly after handling.
P280 – Wear protective gloves/protective clothing/ eye protection/face protection.

Response:

- P101 – If medical advice is needed, have product container or label at hand.
P312 – Call a POISON CENTRE or doctor/physician if you feel unwell.
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.
P332+P313 – If skin irritation occurs: Get medical advice/attention.
P337+P313 – If eye irritation persists: Get medical advice/attention.
P370+P378 – In case of fire: Use any method for extinction.

Storage

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

Disposal

- P501 – Dispose of the product and packaging at an approved landfill or other approved facility. Avoid contamination of waterways. Do not use container for any other purpose.

Section 3: Information on Ingredients

Components	CAS Number	Proportion
Etahnaol	64-17-5	>75 % w/w
Glycerine	56-81-5	1-5 % w/w
Water	-	Balance to 100%

Section 4: First Aid Measures

- First Aid:** Call a Doctor or National Poisons Centre 0800 POISON (0800 764 766) following first aid treatment.
- Skin Contact:** Wash off with plenty of water. Remove contaminated clothing and wash before re-use.
- Eye Contact:** Rinse cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing.
Seek medical attention.
- Ingestion:** Rinse mouth, do **NOT** induce vomiting.

Safety Data Sheet



Seek medical attention IMMEDIATELY.

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

Medical attention and special treatment: Treat symptomatically

Section 5: Fire Fighting Measures

Hazards from combustion products: Upon heating flammable vapours may develop. Has potential to ignite, especially if a naked flame is present. Carbon dioxide and carbon monoxide may form when heated to decomposition.

Precautions for fire fighters and special protective equipment: Wear self-contained breathing apparatus and protective clothing when in close proximity or in confined spaces.

Suitable extinguishing media: All means of extinguishing are acceptable.

Hazchem: 2(Y)E

Section 6: Accidental Release Methods

Method and materials for containment and clean up: Contain spill with sand or other absorbent material and transfer to plastic drums for approved disposal. Wash away very small spills with water, avoid contamination of waterways.

Section 7: Handling and Storage

Precautions for safe handling: Do not breathe vapours. Do not eat, drink or smoke when using this product. Use only with good ventilation. Wear protective gloves, clothing and eye protection.

Conditions for safe storage: Keep away from heat or naked flame.

Section 8: Exposure controls/Personal protection

Workplace Exposure guidelines: WES-TWA: 1880 mg/m³ (1000ppm)

Ventilation specification: Ensure good ventilation.

Personal Protective equipment: Wear gloves for prolonged contact.
Avoid eye contact.

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Clear
Odour:	Sweet solvent smell
Solubility in water:	100%
Specific gravity:	0.8-0.9
Flash point (°C):	Pure Ethanol has a Flashpoint value of 11.7°C Test Method: Closed cup
pH:	7

Section 10: Stability and Reactivity

Chemical Stability:	Product is stable
Conditions to avoid:	Heat, flames, ignition sources and incompatibles.
Material to avoid:	Heat, flame, strong oxidizers, acetaldehyde, acids, chlorine, ethylene oxide, hydrogen-palladium combination, hydrogen peroxide-sulfuric acid combination, potassium tert-butoxide, hypochlorous acid, isocyanates, nitroform, phosgene, aluminum, oleum and perchloric acid.
Hazardous reactions:	Carbon dioxide and carbon monoxide may form when heated to decomposition.

Section 11: Toxicological Information

Persons with pre-existing skin disorders or impaired liver, kidney, or pulmonary function may be more susceptible to the effects of this agent

Ingestion: Can cause drowsiness, unconsciousness, and death. Gastrointestinal pain, cramps, nausea, vomiting, and diarrhoea may also result

ENDPOINT: LD50
rat: 20,000ppm/10hr

Eye contact: Vapours cause eye irritation. Splashes cause severe irritation, possible corneal burns and eye damage

Skin contact: May cause irritation with redness and pain.

Inhalation: Inhalation of vapours irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness, headache, staggering, unconsciousness and possibly death

Long term effects: Chronic exposure may cause skin effects

Section 12: Ecological information

Ecotoxicity: Not expected to be toxic to the environment except in large quantities
Biocumulative: No
Rapidly Degradable: Yes

Section 13: Disposal considerations

Disposal methods: Dispose of the product and packaging at an approved landfill or other approved facility. Disposal of the product into a sewer or any other water source is to be avoided. Do not use the container for any other purpose.

Section 14: Transport information

Road and Rail Transport: Classified as a Dangerous Good under NZS 5433:2007 (Transport of Dangerous Goods on Land)
Marine, Air Transport: Similar listing as for Road and Rail Transport apply
UN No.: 1170 **Proper Shipping Name:** Ethanol solution)
DG Class(es): 3 **Packing Group:** III **Hazchem:** 2(Y)E

Section 15: Regulatory Information

ERMA NZ Approval: HSR 002528 Cleaning Products (Flammable) Group Standard

Section 16: Other information

Disclaimer: This SDS summarises our best knowledge at the date of issue, the chemical health and safety limits of the material and general guidance on how to safely handle the material in the workplace. Since Aakland Chemicals (1997) Ltd 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 Aakland Chemicals (1997) Ltd