

Natural Choice Products Ltd

Safety Data Sheet
Hand Sanitizer Gel

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Hand Sanitizer Gel
Recommend Use Hand hygiene
Supplier Name: Natural Choice Products Ltd
Address: 4/26 Bancroft Crescent, Glendene, Auckland
Telephone: (+64) 9 441 4238
Website: www.naturalchoice.co.nz
Emergency Phone: **National Poisons Centre**
0800 POISON (0800 764 766)

2. HAZARDS IDENTIFICATION

GHS classification of the substance/mixture

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

HSNO Classification (s)

3.1B Flammable liquids: High hazard.

6.4A Substances that are irritating to the eyes.

Signal word: DANGER

Pictogram(s)



Hazard Statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation

Prevention Statements:

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground container and receiving equipment.

P241 Use explosion-proof equipment.

P242 Use non-sparking tools.

P243 Take precautionary measures against static discharge. P264 Wash hands thoroughly after

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handling.

P280 Wear protective clothing, gloves and eye protection.

Response Statements:

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.

P337 + P313 If eye irritation occurs: Get medical advice/attentions.

P370 + P378 In case of fire: Stop leak if safe to do so.

Storage Statement:

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

Disposal Statement:

P501 In case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

3. COMPOSITION: Information on Ingredients

Ingredient Name	CAS Number	Proportion(%)
Ethyl Alcohol	64-17-5	>65%
Carbomer	76050-42-5	<5%
Glycerine	58-81-5	<5%
Non-hazardous components	-	Up to 100%

4. FIRST AID MEASURES

For advice, contact National Poisons Centre (0800 POISON; 0800 764 766) or a doctor. Have product container or label available.

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain medical advice.

Skin Contact

If skin contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

Eye Contact

Hold eyelids apart and flush the eye continuously with running water. Continue flushing

for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation

Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue. Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid facilities

Provide eye baths and safety showers close to areas where splashing may occur.

Advice to Doctor

Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

5. FIRE FIGHTING MEASURES

Extinguishing media:

Carbon dioxide. Dry powder. Alcohol-resistant foam.

Hazards from combustion products:

- o Liquid and vapour are flammable.
- o Moderate fire hazard when exposed to heat or flame.
- o Vapour forms an explosive mixture with air.
- o Moderate explosion hazard when exposed to heat or flame.

Combustion products include: carbon monoxide (CO), carbon dioxide (CO₂), other pyrolysis products typical of burning organic material

Firefighting Equipment:

As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection

Hazchem Code: 2YE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Turn off all sources of ignition. Ventilate the area.

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions

Do not allow to enter drainage system, surface or ground water. Dilute with plenty of water.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust)

Reference to other sections

For personal protective equipment see subsection 8. For disposal considerations see section 13

7. HANDLING AND STORAGE

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Take precautionary measures against static discharges.

Conditions for safe storage:

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Health Exposure Standards:

No value assigned for this specific material by the New Zealand Workplace

Health & Safety Authority. However, Workplace Exposure Standard(s) for constituent(s):

Chemical Name	ACGIH	NIOSH	OSHA-Final PELs	Osha – Vacated PELs
Ethanol	1000pp	1000 ppm TW/A 1900 mg/m ³ TWA 3300 ppm IDLH	1000 ppm TW/A 1900 mg/m ³ TWA	1000 ppm TW/A 1900 mg/m ³ TWA

As published by the New Zealand Workplace Health & Safety Authority.

WES - TWA (Workplace Exposure Standard - Time Weighted Average) - The eight-hour, time-weighted average exposure standard is designed to protect the worker from the effects of long-term exposure.

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace 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.

Appropriate Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Eye / face protection:

Face shield and safety glasses. Use equipment for eye protection tested and approved under government standard.

Hand protection:	Chemical-resistant protective gloves (EN 374). Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature. Suggested gloves for prolonged contact: Material: butyl rubber Penetration time: ≥ 480 min Material thickness: ≥ 0.7 mm Suggested gloves for protection against splashes: Material: nitrile rubber Penetration time: ≥ 30 min, Material thickness: ≥ 0.4 mm In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.
Body protection:	Wear chemical-resistant clothing and boots in case direct dermal exposure and/or splashes may occur (EN 14605). Respiratory protection: No special requirements under normal use conditions. Environmental exposure controls: Should not reach sewage water or drainage ditch undiluted or unnaturalized.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid or Clear Gel
Colour:	Clear
Odour:	Ethanol
Solubility:	Miscible with water.
Specific Gravity:	No data
Vapour pressure	59.5hPa at 20°C
Relative Vapour Density (air=1): Vapour	No data
Pressure (20 °C):	No data
Flash Point (°C):	14 closed cup
Melting point/freezing point:	-144°C
Flammability or explosive Limits (%):	Upper explosion limit: 19%(v) Lower explosion limit: 3.3%(v)
Autoignition Temperature (°C):	363°C
Boiling Point/Range (°C):	78-80°C
pH:	No data

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature and pressure
Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid alkali material in storage and in use.
Hazardous decomposition products:	No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions"
Hazardous reactions:	Oxidizing agents, metal oxides and halogens. If mixed with

MEK and stored, will produce explosive peroxides. Also produces peroxides if mixed with butanol. Peroxide formation will decrease the auto-ignition temperature.

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:	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Death may occur if large amounts are ingested.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin may result in irritation.
Inhalation:	Material may be irritant to the mucous membranes of the respiratory tract(airways).
Acute toxicity:	No LD50 data available for the product. For the constituent Ethanol: Oral LD50 (rat): 7060 mg/kg Inhalation LC50 (rat): 5900 mg/m3/6hr
Chronic effects:	limited evidence from animal studies indicate that repeated or prolonged exposure to a component of this material could result in effects on the kidneys, liver, gastrointestinal tract and heart muscle.

12. ECOLOGICAL INFORMATION

Ecotoxicity: This material and its container must be disposed of as hazardous waste.

13. DISPOSAL CONSIDERATION

Disposal Methods:

Hazardous Waste Disposal

Ensure licensed contractors dispose of the product and its container.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as a Dangerous Good according to NZS 5433:2012. Transport of Dangerous Goods on Land.



UN No: 1170
Transport Hazard Class: 3 Flammable liquid
Packing group: II
Shipping Name: ETHANOL SOLUTION
Hazchem Code: 2YE

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1170
Transport Hazard Class: 3 Flammable liquid
Packing group: II
Shipping Name: ETHANOL SOLUTION
IMDG EMS Fire: F-E
IMDG EMS Spill: S-D

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) DANGEROUS GOODS. Regulations for transport by air; DANGEROUS GOODS.

UN No: 1170
Transport Hazard Class: 3 Flammable liquid
Packing group: II
Shipping Name: ETHANOL SOLUTION

15. REGULATORY INFORMATION

Classification:

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulation 2001.

Subclasses:

Subclass 3.1 Category B (high hazard) – Flammable liquids.
Subclass 6.4 Category A – Substances that are irritating to the eye.

Hazard Statements:

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation

16. OTHER INFORMATION

Date of previous issue: First issue.

New Zealand National Poison Information Centre (24 hours): 0800 POISON [764 766]

New Zealand Emergency Services: 111

For General Information: Natural Choice Products Ltd

PH: (09) 441 4238

Natural Choice Products Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulation.