



Instant Hand Sanitising Gel

Section 1: Chemical Product & Company Identification

Product Name

INSTANT HAND SANITISING GEL

Other Names

Supplier Product Codes:
NF HGA-500

500mL plastic bottle

Recommended Use

Antibacterial skin cleanser.

Supplier

Northfork Chemicals (Australia) Pty Ltd

17 Waterloo Street
PO Box 100
Queanbeyan NSW 2620

Telephone: (02) 6284 4555
Facsimile: (02) 6284 4556
Consumer Information: 1800 084 555

Note: Contact numbers operate only between 8:00am and 5:00pm, Monday to Friday.

Poisons Information Centre

Telephone Australia: 131 126
Telephone New Zealand: 0800 764 766

Section 2: Hazards Identification

Statement Of Hazardous Nature

HAZARDOUS - IRRITANT.

DANGEROUS GOODS – FLAMMABLE LIQUID.

This product has been assessed according to the:

- NOHSC Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1994)]; and
- Australian Code for the Transport of Dangerous Goods by Road and Rail

Appropriate risk assessments should still be conducted as required by State and Territory regulations to determine if the health and safety of workers is adequately protected, regardless of the hazard or dangerous goods classification of a chemical.

Poisons Schedule

S5.

Risk

R11 Highly flammable.
R36 Irritating to eyes.

Safety

S2 Keep out of reach of children.
S7 Keep away from sources of ignition.
S25 Avoid contact with eyes.

Section 3: Composition/Information On Ingredients

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Proportion</u>
Ethanol	64-17-5	> 60%
2-amino-2-methyl-1-propanol	124-68-5	< 1%
Vanilla fragrance		< 1%
Non-hazardous ingredients		to 100%

Section 4: First Aid Measures

Swallowed

Do NOT induce vomiting.

Wash out mouth with water.

For advice, contact a Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

If vomiting occurs seek medical attention due to risk of breathing product into the lungs.

Eye

Wash out immediately with water. If pain or irritation persists or recurs seek medical attention.

Skin

First aid usually not required.

Rinse with water. If pain or irritation develops and persists seek medical attention.

Inhaled

Not considered a probable path of exposure.

If breathing is affected remove victim from contaminated area.

First Aid Facilities

The washing/rinsing actions described above will be adequately met by normal washroom facilities or equivalent. The degree of risk presented by this product is sufficiently low that eyewash stations and safety showers are not usually required.

Notes To Physician

Treat symptomatically. Vomiting not induced because of risk of aspiration of product into lungs.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Water spray, dry chemical powder, carbon dioxide or alcohol-stable foam.

Hazards From Combustion Products

This product is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon element will burn.

Heating may cause expansion or decomposition leading to violent rupture of containers.

The packaging is not combustible under normal conditions. However, it will break down under fire conditions and the hydrocarbon element will burn.

Combustion products include combustible materials, toxic fumes of carbon monoxide (CO), carbon dioxide (CO₂), poisonous fumes, corrosive fumes and acrid smoke.

Mists containing combustible materials may be explosive.

Precautions For Fire Fighters & Special Protective Equipment

Alert Fire Brigade and tell them location and nature of hazard.

Ethanol burns with a colourless flame. Ethanol vapour is heavier than air and may travel along the ground; distant ignition and flash back is possible.

Run off to sewers and drains may cause explosions.

Prevent, by any means available, spillage from entering drains or water course.

Use water delivered as a fine spray to control fire and adjacent area.

Avoid spraying water onto liquid pools.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

Protective Clothing & Equipment

Fire fighters should wear boots, overalls, gloves and breathing apparatus.

Flammability Conditions

Highly flammable liquid. May form flammable mixtures with air.

Hazchem Code

2[Y].

Section 6: Accidental Release Measures**Emergency Procedures**

Clean up spills immediately. Eliminate all sources of ignition – no smoking. Take precautionary measures against static discharges. Restrict access to the area of spill until completion of cleanup. Spill area will remain slippery until completion of cleanup.

For spills involving the release of a significant amount of product (for example: product released by the puncture or damage of containers resulting in a spill of more than a few litres) spilled material should be stopped from spreading by containment using a barrier of sand or other inert material.

Larger spills should be absorbed in an inert absorbent material. The absorbent material and material used in containment should then be disposed by an approved method.

For small spills use a mop or cloth to absorb spilled material. Collected product and the collecting mop/cloth should be rinsed with copious amounts of water. Rinse spill area thoroughly with water.

Copious amounts of foam may be generated during cleanup, especially during final rinse of spill area. Foam will collapse of its own accord. Completion of cleanup of spill area will be indicated when rinse fails to generate foam.

If large quantities of this material enter storm water or waterways contact the Environmental Protection Authority.

Refer to Section 8 for advice on Personal Protective Equipment.

Section 7: Handling & Storage

Hazards associated with using chemicals are greatly reduced when chemicals are handled in a responsible manner.

Procedure For Handling

Chemicals' packaging is generally secure and safe, and handlers do not require special safety equipment to carry a chemical container containing this product.

Read product label and follow all directions thereon.

The product is usually dispensed directly onto the hands from a pump pack or from a wall mounted dispenser or similar.

Lifting should be performed in accordance with the National Standard for Manual Handling [NOHSC:1001(1990)].

Do not use near sources of ignition, eg. when smoking.

Suitable Container

Store in original containers.

Storage Incompatibility

No information available for this product.

Storage Requirements

Store product away from incompatible materials and foodstuff containers.

Store product in original containers in a cool, dry, well ventilated area away from direct sunlight. Keep containers securely sealed.

Due to the attractive appearance of this product, store out of reach of children who may be thirsty or who may mistake this product for a children's beverage.

Section 8: Exposure Controls/Personal Protection**National Exposure Standards**

ES-TWA No information available for this product

ES-STEL No information available for this product

ES-Peak No information available for this product

Exposure Limits For Ingredients:

Ethanol

ES-TWA 1000ppm (1880mg/m³)

ES-STEL No information available

ES-Peak No information available

2-amino-2-methyl-1-propanol

ES-TWA No information available

ES-STEL No information available

ES-Peak No information available

Fragrance

ES-TWA No information available

ES-STEL No information available

ES-Peak No information available



Exposure Standard (ES-TWA) is the time weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

The Short Term Exposure Limit (ES-STEL) is the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour day.

Peak Limitation (ES-Peak), if quoted, is a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

These 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 exposure standards should not be used as a fine dividing line between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Biological Limit Values

No value available for this product or its ingredients.

Personal Protection

Eye/Face Protection: Not required under normal conditions of use. When cleaning up significant spills, wear chemical goggles or full face shield.

Skin Protection: Not required under normal conditions of use. When cleaning up significant spills, wear PVC or rubber gloves on hands and suitable impervious protective clothing. Safety boots with non-slip soles should be worn for spill clean up.

Respiratory Protection: Not required under normal conditions of use.

Engineering Controls

Natural ventilation should be adequate under normal use conditions.

Section 9: Physical & Chemical Properties

Appearance And Odour

Clear gel liquid with vanilla fragrance.

Physical Properties

Molecular weight:	Not available
Boiling point (°C):	Ethanol: 78°C
Melting range (°C):	Not available
Specific gravity (water=1):	0.88 – 0.89
Solubility in water (g/L):	miscible
pH (as supplied):	Not available
pH (1% solution):	Not available
Vapour pressure (kPa):	Not available
Volatile component (%vol):	Not available
Evaporation rate:	Not available
Flash point (°C):	Not available
Lower explosive limit (%):	Ethanol: 3.5
Upper explosive limit (%):	Ethanol: 19
Autoignition temperature (°C):	Not available
Decomposition temperature (°C):	Not available

Section 10: Chemical Stability & Reactivity Information

Chemical Stability

Product is considered stable under normal conditions of storage, handling and use.

Conditions To Avoid

Sources of ignition – product is flammable.

Incompatible Materials

No information available for this product.

Hazardous Decomposition Products

No information available for this product.

Hazardous Reactions

No information available for this product.

Section 11: Toxicological Information

Details of Hazard Assessment are contained in Section 2 of this MSDS.

Potential Health Effects – Acute

Swallowed: This product is not harmful by ingestion when assessed against criteria of Worksafe Australia.

This product may still produce harmful central nervous system effects. Effects may include excitation, euphoria, headache, dizziness, blurred vision, fatigue, tremors, convulsions, loss of consciousness, coma, respiratory arrest and death. Severe acute intoxication may cause hypoglycaemia, hypothermia and extensor rigidity. Other effects may include decreased blood pressure, vomiting blood and blood changes. Aspiration into the lungs may cause pneumonitis..

- Eye:** This product is an eye irritant when assessed against criteria of Worksafe Australia.
Direct eye contact may produce immediate discomfort for the individual, with consequent reflex closure of the lid and tearing. Foreign body type discomfort may persist for a short time. Damage to the eyes may occur.
- Skin:** This product is not a skin irritant when assessed against criteria of Worksafe Australia.
Direct skin contact may produce skin reactions due to the removal of natural oils from the skin. The skin may appear red and may become sore, exhibiting cracking, scaling and blistering.
- Inhaled:** Vapour may be irritating to respiratory tract and mucus membranes.

Potential Health Effects – Chronic

Repeated skin contact may produced sensitisation dermatitis in predisposed individuals.

Summary Of Toxicity Data

Ethanol	LD ₅₀ oral (rat):	7060mg/kg
	LC ₅₀ inhalation (rat):	38mg/L 10hrs
2-amino-2-methyl-1-propanol	LD ₅₀ oral (rat):	> 2000mg/kg
	LC ₅₀ dermal (rabbit):	> 2000mg/kg
Fragrance	LD ₅₀ oral (rat):	No information available

Section 12: Ecological Information

Ecotoxicity

Do not discharge into storm water or waterways.

Persistence And Degradability

No information available for this product.

Mobility

No information available for this product.

Section 13: Disposal Information

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

Section 14: Transportation Information

This product is classified as a Dangerous Good according to the ADG Code.

UN Number

1170.

Proper Shipping Name

Ethanol Solution (Ethyl Alcohol Solution).

Hazard Class

3.

Subsidiary Risk

No subsidiary risk allocated.

Hazchem Code

2[Y].

Section 15: Regulatory Information

Poisons Schedule

5.

Section 16: Other Information**Disclaimer**

The information given above is not necessarily exhaustive and further technical information may be obtained upon request from the company's technical staff.

All advice and information given in this data sheet and by the company's technical staff is compiled from the best information currently available to the company; but the company accepts no responsibility whatsoever for its accuracy or for any results which may be obtained by customers. Any customer who relies upon any advice or information given in this data sheet by the company or by its technical staff does so entirely at his own risk, and the company will not be liable for any loss or damage thereby suffered notwithstanding any want of care on the part of the company or its staff in compiling or giving advice or information. In all cases the customer should satisfy himself by preliminary tests that the goods are suitable for the customer's purpose.

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End of MSDS

Material Safety Data Sheet



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