

.....1. Identification of the substance/preparation and of the company/undertaking

Trade name: Naked Glass Repellent

Identification of the company:

Naked Glass Limited
6/11 Ashley Place
Papamoa 3118

Emergency telephone numbers :

1800 127 406	(24 h, Australia)
0800 243 622	(24 h, New Zealand)
+64 3 353 0199	(24 h, Worldwide)

2. Hazards identification

Hazard Classification

Classified as hazardous according to the criteria of HSNO Minimum degrees of hazard regulations.
Classified as dangerous goods according to the Transport of Dangerous Goods on Land (NZS5433).

HSNO Class	GHS Class	SIGNAL WORD	Hazard Statement
3.1B	Flammable Liquid Cat 2	DANGER	H225 Highly flammable liquid & vapour
6.1E		WARNING	H303 May be harmful if swallowed.
6.3A	Skin corr / irrnt Cat 1	WARNING	H315 Causes skin irritation.
6.4A	Eye damage/ irr't: Cat 2	WARNING	H319 Causes serious eye irritation.



DANGER:

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.
P280	Wear protective gloves/ eye protection/ face protection
P264	Wash exposed skin thoroughly after handling.
P303+361+353	IF ON SKIN: Remove/take off immediately all contaminated clothing. Rinse skin with water / shower.
P370+378	In case of fire: Use Foam, CO2, Dry Powder for extinction.

P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before re-use.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P337+ P313	If eye irritation persists, get medical advice/attention.

3. Composition/information on ingredients

Hazardous ingredients

Component	EC Number	CAS Number	Proportion
Propan-2-ol	200-661-7	67-63-0	35 – 60%

Other non hazardous ingredients up to 100%

4. First aid measures

General information

Remove soiled or soaked clothing immediately

After inhalation

Remove the casualty into fresh air and keep calm.

Call a POISON CENTER or doctor/ physician if you feel unwell..

After contact with skin

In case of contact with skin wash off immediately with plenty of water.

If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If eye irritation persists, get medical advice/attention.

After ingestion

If swallowed rinse mouth seek medical aid immediately and show the physician the packaging or the label of the packaging.

Advice to doctor

Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Foam, CO₂ Dry chemical

Special fire fighting measures

Fire fighters must use recommended protective equipment and self-contained breathing apparatus. Cool storage drums with water spray. Evacuate area downwind of fire. **Further information**

Cool container and metallic parts with a water spray jet. In case of fire, prevent by any means possible spillage from entering drains or water courses.

6. Accidental release measures

Methods for cleaning up/taking up

Remove all sources of ignition immediately. Remove with liquid binding material (eg. sand, soil or diatomaceous earth).

Take up into tightly closed containers.

Clean equipment with water.

Additional information

Must not be released into sewers, drains or wells.

Take up as such and consider recycling.

7. Handling and storage

Advice on safe handling

Use in a well-ventilated area away from all sources of ignition.

The vapor is heavier than air, spreads along the ground and distant ignition is possible. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge (≤ 1 m/sec until fill pipe submerged to twice its diameter, then ≤ 7 m/sec). Avoid splash filling. Take precautionary measures against static discharge. Do NOT use compressed air for filling, discharging, or handling operations. Keep container tightly closed. Handle and open container with care in a well-ventilated area. Use only non sparking tools.

Do not handle until all safety precautions have been read and understood.

Advice on safe storage Store locked up. Store containers in a cool area away from heat, sparks and all other sources of ignition.

8. Exposure controls / personal protection

National exposure standards:

NZ Workplace Exposure Standards

New Zealand Workplace Exposure Standards

Substance	CAS #	TWA	STEL
Propan-2-ol	67-63-0	400ppm; 983mg/m ³	500ppm; 1230mg/m ³

Personal protective equipment Hygiene measures

Do not breath fumes/ mist/ vapors/ spray Do

not eat, drink or smoke until after washing.

Wash thoroughly after handling.

Wear eye/face protection

Engineering controls

Use only in well-ventilated areas.

Hand protection:

PVC or Rubber gloves

Eye protection:

Safety glasses with side protection shield

Body protection:

Protective clothing

9. Physical and chemical properties

Form:	Colour:	Liquid Clolourless
Odour:		alcohol odour
Boiling point:		approx. 80°C
Flash point:		12°C
Density at 20°C, g/ml:		0.887
Solubility in water:		Soluble
pH :		not available

10. Stability and reactivity

Hazardous reactions

When used and handled as intended, none.

Hazardous decomposition products

When used and handled as intended, none.

11. Toxicological information

Oral toxicity (rat):	Propan-2-ol component: LD50 5045mg/kg
Irritant effect on skin:	Irritant
Irritant effect on eyes:	Irritant (Propan-2-ol component Rabbit, 24h)
Inhalation:	LC50 16,000ppm/8hr (rat) Inhalation, Oral - May cause drowsiness or dizziness.
Specific target organ toxicity :	Single exposure: Inhalation, Oral - May cause drowsiness or dizziness.

Long Term Effects: Central nervous system depression, prolonged or repeated exposure can cause:, Nausea, Headache, Vomiting, narcosis, Drowsiness, Overexposure may cause mild, reversible liver effects., Aspiration may lead to:, Lung oedema, Pneumonia

12. Ecological information

For component Propan-2-ol

Aquatic toxicity:

Fish	LC50 - 9640.00mg/l 96 h Pimephales promelas (fathead minnow)
Daphnia	EC50 - 5102.00 mg/l - 24 h Daphnia magna (Water flea)
Algae	EC50 - > 2,000.00 mg/l - 72 h Desmodesmus subspicatus (green algae) EC50 - Algae - > 1,000.00 mg/l - 24 h

Bioaccumulative potential

No bioaccumulation is to be expected (log Pow <= 4).

Remarks

Avoid losses to the environment wherever possible. Do not allow product to enter waste water, rivers or creeks.

13. Disposal considerations

Product

Dispose of waste to an approved waste disposal facility.

Disposal of empty container: Empty containers may be discarded in trash after rinsing with water.

Uncleaned packaging Consider recycling.

14. Transport information

Land : ADG

Proper Shipping name:	FLAMMABLE LIQUID N.O.S (Contains:ISOPROPANOL)
Dangerous goods class:	3
U.N. Number:	1993
Hazchem code:	3YE
Packing group:	II

Land : NZS5433

Proper Shipping name:	FLAMMABLE LIQUID N.O.S (Contains:ISOPROPANOL)
Dangerous goods class:	3
U.N. Number:	1993
Hazchem code:	3YE
Packing group:	II

Air : IATA

Proper Shipping name:	FLAMMABLE LIQUID N.O.S (Contains:ISOPROPANOL)
Dangerous goods class:	3
U.N. Number:	1993
Hazchem code:	3YE
Packing group:	II

Sea : IMDG

Proper Shipping name:	FLAMMABLE LIQUID N.O.S (Contains:ISOPROPANOL)
Dangerous goods class:	3
U.N. Number:	1993
Packing group:	II
EmS :	F-E, S-D

15. Regulatory information

HSNO Approval Number : HSR002528

Tracking : This product is not a Tracked Substance

Approved Handler : This product requires Approved Handlers when in quantities greater than 250 L (when in containers greater than 5 L) or **500 L** (when in containers up to and including **5 L**),

National Chemical Inventories NZIoC : All components are listed on the New Zealand Inventory of Chemicals.

16. Other information

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

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

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

Since the actual use of this product is beyond the control of Naked Glass Limited, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.