NAKED GLASS

Safety Data Sheet
in accordance with HSNO

Printing date 22.04.2021 Revision: 16.04.2021

1 Identification of the substance or mixture and of the supplier

Product Name: Naked Glass Repellent & Protector

Other Means of Identification:
Other Name: Naked Glass Repel

Recommended Use of the Chemical and Restriction on Use: Glass Protection; Cleaning & Sealing

Details of Manufacturer or Importer:
Naked Glass
8/11 Ashley Place
Papamoa

Phone Number: +64 22 646 5561

Emergency telephone number:
0800 243 622 - Checall
0800 764 766 - NZ Poisions Centre

2 Hazards identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.


Flame

Flammable Liquids 3 H226 Flammable liquid and vapour.


Health hazard

Carcinogenicity 1A H350 May cause cancer.

Serious Eye Damage/Irritation 2A H319 Causes serious eye irritation.

Skin Corr. 3 H316 Causes mild skin irritation.

HSNO Classification
3.1C - Flammable liquid - medium hazard.
6.3B - Substances that are mildly irritating to the skin.
6.4A - Substances that are irritating to the eye.
6.7A - Substances that are known or presumed human carcinogens.

Signal Word Danger

Hazard Statements
H226 Flammable liquid and vapour.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H350 May cause cancer.

Precautionary Statements
P201 Obtain special instructions before use.

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P202	Do not handle until all safety precautions have been read and understood.
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 thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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.
P308+P313	IF exposed or concerned: Get medical advice/attention.
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 for extinction: CO2, powder or water spray.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition/Information on ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 64-17-5	Ethanol Flammable Liquids 2, H225; Serious Eye Damage/Irritation 2A, H319	30-50%
CAS: 67-63-0	2-Propanol Flammable Liquids 2, H225; Serious Eye Damage/Irritation 2A, H319; STOT SE 3, H336; Acute Toxicity (Oral) 5, H303; Acute Toxicity (Dermal) 5, H313; Acute Toxicity (Inhalation) 5, H333; Skin Corr. 3, H316	25-45%
CAS: 7664-93-9	Sulfuric acid Carcinogenicity 1A, H350; STOT SE 1, H370; STOT RE 1, H372; Corrosive To Metals 1, H290; Skin Corrosion/Irritation 1B, H314; Serious Eye Damage/ Irritation 1, H318; Acute Toxicity (Oral) 4, H302; Acute Toxicity (Dermal) 4, H312; Acute Toxicity (Inhalation) 4, H332; Aquatic Acute 2, H401; Aquatic Chronic 3, H412	0.1-0.4%

4 First aid measures

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention.

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Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation. In confined areas, vapours in high concentrations are anesthetic.
Skin Contact: Causes mild skin irritation.
Eye Contact: Causes serious eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire fighting measures

Suitable Extinguishing Media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon.
Product is flammable.
Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.
Minimise run-off from fire fighting entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools.

7 Handling and storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.
Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition.

8 Exposure controls/personal protection

Exposure Standards:	
CAS: 64-17-5 Ethanol	
WES	TWA: 1880 mg/m³, 1000 ppm

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CAS: 67-63-0 2-Propanol	
WES	STEL: 1230 mg/m³, 500 ppm TWA: 983 mg/m³, 400 ppm
CAS: 7664-93-9 Sulfuric acid	
WES	TWA: 0.1 mg/m³ confirmed carcinogen

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Respiratory Protection:
Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Nitrile, neoprene or butyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 Physical and chemical properties

Appearance:	
Form:	Fluid
Colour:	Clear
Odour:	Alcohol-like
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	No information available
Flammability:	Flammable.
Ignition Temperature	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Completely soluble

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Partition Coefficient (n-octanol/water): No information available

10 Stability and reactivity

Possibility of Hazardous Reactions: No further relevant information available.

Chemical Stability: No further relevant information available.

Conditions to Avoid: Heat, sparks, open flames and other sources of ignition.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: Oxides of carbon.

11 Toxicological information

Toxicity:

LD50/LC50 Values Relevant for Classification:		
CAS: 64-17-5 Ethanol		
Oral	LD50	7,060 mg/kg (rat)
Inhalation	LC50/4 h	20,000 mg/l (rat)
CAS: 67-63-0 2-Propanol		
Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalation	LC50/4 h	30 mg/l (rat)
CAS: 7664-93-9 Sulfuric acid		
Oral	LD50	2,140 mg/kg (rat)
Inhalation	LC50	320 mg/m³ (mouse)
		510 mg/m³ (rat)

Acute Health Effects
Inhalation: May cause respiratory irritation. In confined areas, vapours in high concentrations are anesthetic.
Skin: Causes mild skin irritation.
Eye: Causes serious eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Causes mild skin irritation.

Serious Eye Damage / Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:
May cause cancer.
Sulfuric acid is classified by IARC as Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

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Chronic Health Effects: No data associated with long term health effects.

12 Ecological information

Ecotoxicity:

Aquatic toxicity:
May cause long lasting harmful effects to aquatic life.

CAS: 64-17-5 Ethanol	
EC50/48 h	9,268-14,221 mg/l (daphnia)
	>100 mg/l (selenastrum capricornutum)
EC50/72 h	275 mg/l (algae)
LC50/96 h	>100 mg/l (fathead minnow)
	12-16 mg/l (rainbow trout)
LC50/48 h	>100 mg/l (golden orfe)
CAS: 67-63-0 2-Propanol	
EC50/48 h	100 mg/l (daphnia)
EC50/72 h	100 mg/l (scenedesmus subspicatus)
LC50/96 h	1,400 mg/l (bluegill)
	9,640 mg/l (fathead minnow)
LC50/48 h	8,970 mg/l (golden orfe)
CAS: 7664-93-9 Sulfuric acid	
EC50/24 h	29 mg/l (daphnia)
EC50/48 h	42.5 mg/l (shrimp)
LC50/96 h	500 mg/l (brachydanio rerio)
	42 mg/l (fish)

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.
Other adverse effects: No further relevant information available.

13 Disposal considerations

Disposal Methods and Containers:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport information

UN Number
NZS 5433 UN1170
IMDG, IATA UN1170

Proper Shipping Name
NZS 5433 ETHANOL (ETHYL ALCOHOL)
IMDG ETHANOL (ETHYL ALCOHOL)
IATA ETHANOL

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Dangerous Goods Class	
NZS 5433	3
Subsidiary Risk:	
IMDG Class:	3 Flammable liquids.
Packing Group:	
NZS 5433	II
IMDG, IATA	II
Marine pollutant:	
EMS Number:	F-E,S-D
Special Provisions:	
Limited Quantities:	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1

15 Regulatory information

HSNO Approval Code / Group Standard: HSR002652

New Zealand Inventory of Chemicals

All ingredients are listed.

16 Other information

Date of Preparation or Last Revision: 16.04.2021

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
WES: Workplace Exposure Standard
Flammable Liquids 2: Flammable liquids – Category 2
Flammable Liquids 3: Flammable liquids – Category 3
Corrosive To Metals 1: Corrosive to metals – Category 1
Acute Toxicity (Oral) 4: Acute toxicity - oral – Category 4
Acute Toxicity (Oral) 5: Acute toxicity - oral – Category 5
Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B
Skin Corr. 3: Skin corrosion/irritation – Category 3
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A
Carcinogenicity 1A: Carcinogenicity – Category 1A
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

Disclaimer

This SDS is prepared in accord with the New Zealand Chemical Industry Council document 'Code of Practice (No. HSNO CoP 8-1 09-06)'.

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