

Safety Data Sheet

According to WHS Regulations and ADG requirements

Version: 1.0

Printing Data: September 21, 2020

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SDS REPORT

SDS Report No. : SDS2020090268

Compilation Date : September 21, 2020

Trade Name : HAND SANITISER

Composition/Ingredient of The Sample : See Section 3 on the SDS

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with the Work Health and Safety Act of Australia and ADG requirements.

Signed for and on behalf of
FOCO Technical Center:



Johnny Zhang

Chemical engineer

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

·1.1 Product identifier

Trade name: HAND SANITISER

·1.2 Other means of identification: Not available

·1.3 Recommended use of the chemical and restrictions on use

·Recommended use: Hand cleaning.

·Restrictions on use: All other uses.

1.3 Details of manufacturer/supplier:

PROMO BRANDS PTY LTD

55-57 LICOLA CRESCENT, DANDENONG SOUTH VIC 3175, AUSTRALIA

Tel: 1800 668 736

Email: purchasing@promobrand.com.au

·Association/Organisation:

PROMO BRANDS PTY LTD

55-57 LICOLA CRESCENT, DANDENONG SOUTH VIC 3175, AUSTRALIA

Tel: 1800 668 736

Email: purchasing@promobrand.com.au

·1.4 Emergency telephone number Australian Poisons Information

Centre

Tel: +61 131126

SECTION 2: Hazards identification

·2.1 Classification of the substance or mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

Flammable liquid—category 3 Flammable liquid and vapour

Serious eye damage/irritation—category 2A Causes serious eye irritation

·2.2 Label elements

·Hazard pictograms:



Flame



Exclamation mark

·Signal word: Warning

·Hazard statements:

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H226 Flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary Statement Prevention:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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.

Precautionary Statement Response:

P303 + P361 + P353 IF ON SKIN (or hair): 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 persists: Get medical advice/attention.

P370 + P378 In case of fire: Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet**Precautionary Statement Storage:**

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

Precautionary Statement Disposal:

P501 Dispose of content /container in accordance with local regulation.

SECTION 3: Composition and information on ingredients**3.1 Chemical characterization:** Mixture**Description:** Mixture of the substances listed below with nonhazardous additions.

CAS No.	Name	%, weight
64-17-5	Ethyl alcohol	62
7732-18-5	Water	33.8
56-81-5	Glycerol	1
54182-57-9	Carbomer	2
57-55-6	Proylene Glyol	0.5
Mixture	Fragrance	0.2
102-71-6	Triethanolamine	0.5

SECTION 4: First aid measures**4.1 Description of necessary first-aid measures**

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General advice: If medical advice is needed, have product container or label at hand.

After inhalation: Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

After swallowing: Wash mouth. Do NOT induce vomiting; Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

·4.2 Symptoms caused by exposure: Causes serious eye irritation.

·4.3 Medical attention and special treatment: Treated according to symptoms, there is not known specific medicine.

SECTION 5: Fire-fighting measures

·5.1 Suitable extinguishing equipment: Use CO₂, chemical dry powder, water spray or alcohol resistant foam to extinguish. DO NOT use water with full jet.

·5.2 Specific hazards arising from the chemical: Flammable liquid. Vapors may form explosive mixture with air.

·5.3 Special protective equipment and precautions for firefighters: Wear fully protective suit and self-contained respiratory protective device.

SECTION 6: Accidental release measures

·6.1 Personal precautions, protective equipment and emergency procedures:

Cut off leakage source and collect spillage timely if safe do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact with eyes.

·6.2 Environmental precautions:

Do not allow the product to enter sewers/surface or ground water; Inform respective authorities in case of seepage into water course or sewage system.

·6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Dispose contaminated material as waste according to item 13.

SECTION 7: Handling and storage

·7.1 Precautions for safe handling:

Read label before use; Ensure good ventilation/exhaustion at the workplace; Smoking, eating and drinking should be prohibited; Avoid all sources of ignition; Avoid breathing vapors; Avoid contact with eyes.

·Information about fire and explosion protection: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

·7.2 Conditions for safe storage, including any incompatibilities

·Requirements to be met by storerooms and receptacles: Store in a well-ventilated place. Keep cool.

·Information about storage in one common storage facility: Keep out of reach of children; Keep away from heat, sparks, open

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flames and hot surfaces.

·Further information about storage conditions: Store locked up.

SECTION 8: Exposure controls/personal protection

·8.1 Exposure control measures

·Ingredients with limit values that require monitoring at the workplace:

Source	Ingredient	TWA	STEL	Peak
Australia Exposure Standards	Ethyl alcohol	1000ppm; 1880 mg/m ³	Not available	Not available
Australia Exposure Standards	Water	Not available	Not available	Not available
Australia Exposure Standards	Glycerol	10 mg/m ³ (mist)	Not available	Not available
Australia Exposure Standards	Carbomer	Not available	Not available	Not available
Australia Exposure Standards	Proylene Glyol	Not available	Not available	Not available
Australia Exposure Standards	Triethanolamine	5 mg/m ³	Not available	Not available

·8.2 Biological monitoring: Not available

·8.3 Control banding: Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; Ensure good ventilation at workplace.

·8.4 Engineering controls

·Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.

·Appropriate engineering controls:

Use only in a well-ventilated area; Take off contaminated clothing and wash it before reuse; See Section 7 for information about design of technical facilities.

·8.3 Individual protection measures

·Eye and face protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety glasses with side-shields (frame goggles) (e.g. EN 166)

·Skin protection:

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective gloves

Latex gloves, butyl rubber gloves (thickness > 0.11 mm, break through time approx. 480 min).

·Respiratory protection:

Not required under normal conditions of use.

For industrial applications, dust mask is recommended; keep well-ventilated.

·Thermal hazards:

Not required under normal conditions of use.

For industrial applications, personal protective equipment must flame retardant and thermal insulation.

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SECTION 9: Physical and chemical properties

·9.1 Information on basic physical and chemical properties

·Appearance:

Physical state	Liquid
Color	Colorless, transparent
Odor	Characteristic odor
Odor threshold	Not determined.
pH-value	6-8 at 20 °C
·Change in condition	
Melting point/melting range	Not determined.
Boiling point and boiling range	Not determined.
·Freezing point	Not determined.
·Flash point	26 °C (closed cup)
·Flammability (solid, gas)	Not applicable
·Decomposition temperature	≥700 °C (Ethyl alcohol)
·Self-ignition	400 °C (Ethyl alcohol)
·Danger of explosion	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.
·Explosion limits	
Lower:	3.1 vol.% (Ethyl alcohol)
Upper:	27.7 vol.% (Ethyl alcohol)
·Oxidizing properties	Not determined.
·Vapor pressure	Not determined.
·Density	Not determined.
·Relative density	Not determined.
·Vapor density	Not determined.
·Evaporation rate	Not determined.
·Solubility in/Miscibility with	
Water	Soluble in water
·Partition coefficient (n-octanol/water)	Not determined.
·Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
·9.2 Other information	Not determined.

SECTION 10: Stability and reactivity

·10.1 Reactivity: No decomposition if used according to specification.

·10.2 Chemical stability: Stable under recommended storage conditions.

·10.3 Possibility of hazardous reactions: No known hazardous reaction.

·10.4 Conditions to avoid: Heat/sparks/open flames/hot surfaces.

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·10.5 **Incompatible materials:** Strong acid, strong oxidizing agent, strong bases and flammable substance.

·10.6 **Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

·11.1 Information on toxicological effects

·**Acute toxicity:** No toxicity data available for this product. No animal test has been done for this product.

ATE (oral) LD50: >5000 mg/kg; ATE (skin) LD50: >5000 mg/kg; ATE (inhalation) LC50: >20 mg/L.

LD50/LC50 values relevant for classification:

64-17-5 Ethyl alcohol

Rat	LD50-oral	7060 mg/kg
	LC50-inhalation	20000ppm/10H
Rabbit	LD50-oral	6300 mg/kg
Guinea pig	LD50-oral	5560mg/kg
Mouse	LD50-oral	3450 mg/kg
	LC50-inhalation	39000mg/m ³ /4H

56-81-5 Glycerol

Rat	LD50-oral	12600mg/kg
Mouse	LD50-oral	4090mg/kg
Rabbit	LD50-oral	27000mg/kg
	LD50-skin	>10000mg/kg

102-71-6 Triethanolamine

Guinea pig	LD50-oral	2200mg/kg
Rat	LD50-oral	4.92mL/kg
	LD50-skin	>16mL/kg
Mouse	LD50-oral	5846mg/kg
Rabbit	LD50-oral	2200mg/kg
	LD50-skin	>20ml/kg

Remark: All the above data are from literature.

·**Skin corrosion/irritation:** Not expected to be a skin irritation.

·**Serious eyes damage/ irritation:** Irritant contact eyes.

·**Respiratory sensitization:** Not expected to be a respiratory sensitiser.

·**Skin sensitization:** Not expected to be a skin sensitiser.

·**Germ cell mutagenicity:** Not considered to be a mutagenic hazard.

·**Carcinogenicity:** Not considered to be a carcinogenic hazard

·**Reproductive toxicity:** Not considered to be toxic to reproduction.

·**STOT-single exposure:** Not expected to cause toxicity to a specific target organ.

·**STOT-repeated exposure:** Not expected to cause toxicity to a specific target organ.

·**Aspiration hazard:** Not expected to be an aspiration hazard.

·11.2 **Information on possible routes of exposure:** Ingestion; Skin exposure.

·11.3 **Early onset symptoms related to exposure:** Eye irritant.

·11.4 **Delayed health effects from exposure:** No known delayed health effects.

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·11.5 **Exposure levels and health effects:** No known exposure levels or health effects.

·11.6 **Interactive effects:** No known interactive effects.

·11.7 **Other information:** No known other hazards.

SECTION 12: Ecological information

·12.1 Toxicity

·**Aquatic toxicity:** Not hazardous to the aquatic environment.

LC50/EC50/NOEC values relevant for classification:

64-17-5 Ethyl alcohol

Short-term toxicity to fish	LC50 (4 days) 14.2 - 15.4 g/L EC50 (4 days) 12.7 - 12.9 g/L
Long-term toxicity to fish	NOEC (5 days) 250 - 1 000 mg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 10 g/L LC50 (48 h) 5.012 g/L
Long-term toxicity to aquatic invertebrates	NOEC (10 days) 2 - 9.6 mg/L LC50 (10 days) 1.806 g/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 675 - 22 000 mg/L
Toxicity to microorganisms	EC50 (4 h) 5.8 g/L

56-81-5 Glycerol

Short-term toxicity to fish	LC50 (4 days) 54 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L

102-71-6 Triethanolamine

Short-term toxicity to fish	LC50 (4 days) 11.8 g/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 609.88 mg/L
Long-term toxicity to aquatic invertebrates	NOEC (21 days) 16 - 250 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 216 - 512 mg/L

·12.2 **Persistence and degradability:** Readily biodegradable.

64-17-5	Ethyl alcohol	BOD ₅ =1.067 - 1.236 g O ₂ /g test material; COD=1.99 g O ₂ /g test material; Readily biodegradable in water
56-81-5	Glycerol	Readily biodegradable in water

·12.3 **Bio-accumulative potential:** Low bio-accumulation.

64-17-5	Ethyl alcohol	Log Pow = -0.77 - -0.3 at 24 - 25 °C and pH 7 - 7.4
56-81-5	Glycerol	Log Pow = -1.75 at 25 °C and pH 7.4
102-71-6	Triethanolamine	Log Pow = -2.476 - 1.34 at 25 °C and pH 7.1 - 9.5

·12.4 **Mobility in soil:** High mobility in soil.

·12.5 **Other adverse effects:** No known other adverse effects.

SECTION 13: Disposal consideration

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·13.1 Disposal methods**·Recommendation:**


Must not be disposed together with household garbage. Dispose of the product must be in according to the local regulation, for example landfill.

·13.2 Un-cleaned packaging


·Recommendation: Dispose of contents/container in according to the local regulation.

SECTION 14: Transport information

Land transport (ADG) :

·UN-Number	UN1170
·Proper shipping name or technical name	ETHANOL SOLUTION
·Transport hazard class	
Class	3 Flammable liquids.
Label	3
·Packing group number	III
·Environmental hazards for transport purposes	No
·Special precautions for user	Warning: Flammable liquids
·Additional information	

IMDG, IATA

·UN-Number	UN1170
·Proper shipping name or technical name	ETHANOL SOLUTION
·Transport hazard class	
Class	3 Flammable liquids.
Label	3
·Packing group number	III
·Danger code (Kemler)	30
·EMS Number	F-E,S-D
·Hazchem or emergency action code	•2Y

SECTION 15: Regulatory information

·15.1 Australia Inventory of Chemical Substances (AICS):

64-17-5	Ethyl alcohol	Listed
7732-18-5	Water	Listed
56-81-5	Glycerol	Listed
54182-57-9	Carbomer	Listed
57-55-6	Propylene Glycol	Listed
102-71-6	Triethanolamine	

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- 15.2 Montreal Protocol (Ozone depleting substances): Not regulated.
- 15.3 The Stockholm Convention (Persistent Organic Pollutants): Not regulated.
- 15.4 The Rotterdam Convention (Prior Informed Consent): Not regulated.
- 15.5 Basel Convention (Hazardous Waste): Not regulated.
- 15.6 International Convention for the Prevention of Pollution from Ships (MARPOL): Not regulated.
- 15.7 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule: Poisons Schedule: 5
- IARC (International Agency for Research on Cancer):

64-17-5	Ethyl alcohol	1
102-71-6	Triethanolamine	3

·Proposition 65

- Chemicals known to cause cancer: Not regulated.
- Chemicals known to cause reproductive toxicity for females: Not regulated.
- Chemicals known to cause reproductive toxicity for males: Not regulated.
- Chemicals known to cause developmental toxicity: Not regulated.

- The Agricultural and Veterinary Chemicals Act 1994: Not regulated.
- The Industrial Chemicals (Notification and Assessment) Act 1989: Not regulated.

·15.8 NICNAS assessment report: An Assessment report has not been carried out.

SECTION 16: Other information

- The date of preparation of the latest revision: September 9, 2020
- The latest revision: 1.0

The contents and format of this SDS are in accordance with the Work Health and Safety Act of Australia and ADG requirements

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

·Abbreviations and acronyms:

WHS : Work Health and Safety

ADG Code: The Australian Code for the Transport of Dangerous Goods by Road and Rail, as in force or remade from time to time, approved by the Transport and Infrastructure Council.

ADR: Accord europ éen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

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GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

BOD₅: Five days biochemical oxygen demand

COD: Chemical oxygen demand

End of safety data sheet