

# SAFETY DATA SHEET

## TORK PREMIUM HAND SANITIZER ALCOHOL GEL S1

Infosafe No.: LQ80S  
ISSUED Date : 08/02/2018  
ISSUED by: ASALEO CARE

### 1. IDENTIFICATION

#### GHS Product Identifier

TORK PREMIUM HAND SANITIZER ALCOHOL GEL S1

#### Product Code

420101

#### Company Name

ASALEO CARE

#### Address

Level 1, 103 Carlton Gore Road Newmarket  
Auckland 1231 New Zealand

#### Telephone/Fax Number

Tel: +64 9 837 6400

Fax: +64 9 837 0205

#### Emergency phone number

Emergency Advice: +64 9 837 6400 (BH) or Mobile: +61 404 480 387

#### Recommended use of the chemical and restrictions on use

Hand disinfectant.

### 2. HAZARD 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.

3.1B Flammable liquid: high hazard

6.4A Substance that is irritating to the eyes

9.1D Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action

#### Signal Word (s)

DANGER

#### Hazard Statement (s)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

#### Pictogram (s)

Flame, Exclamation mark



#### Precautionary statement – Prevention

P103 Read label before use.  
 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 contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

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 persists: Get medical advice/attention.  
 P370+P378 In case of fire: Use water fog, foam, carbon dioxide or dry chemical for extinction.

**Precautionary statement – Storage**

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

**Precautionary statement – Disposal**

P501 In the 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. See Section 13 for disposal details.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients**

Name	CAS	Proportion
Ethanol	64-17-5	>60 %
2-Propanol	67-63-0	1-<10 %
Ingredients determined not to be hazardous, including water.		To 100%

### 4. FIRST-AID MEASURES

**Inhalation**

Not a likely route of exposure, however, if inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

**Ingestion**

Do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

**Skin**

The product is designed for skin contact. If there is a reaction, remove all affected clothing and wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. If symptoms develop and/or persist seek medical attention.

**Eye contact**

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

**First Aid Facilities**

Eyewash, safety shower and normal washroom facilities.

**Advice to Doctor**

Treat symptomatically.

**Other Information**

For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

## 5. FIRE-FIGHTING MEASURES

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### Suitable Extinguishing Media

Water fog, foam, carbon dioxide or dry chemical.

### Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

### Specific Hazards Arising From The Chemical

Highly flammable liquid and vapour. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.

### Hazchem Code

•2YE

### Decomposition Temperature

Not available

### Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode.

In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

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### Emergency Procedures

Avoid accidents, clean up immediately.

Small spill: Mop up & wash residue to drain with copious amounts of water.

Large spill: Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

Industrial application: Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Work from suitable, labelled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers tightly closed. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

### Conditions for safe storage, including any incompatibilities

Industrial application: Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 (2017)- The storage and handling of flammable and combustible liquids.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below:

2-Propanol  
TWA: 400 ppm  
TWA: 983 mg/m<sup>3</sup>  
STEL: 500 ppm  
STEL: 1230 mg/m<sup>3</sup>

Ethanol  
TWA: 1000 ppm  
TWA: 1880 mg/m<sup>3</sup>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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

Source: Safe Work Australia

#### **Biological Limit Values**

Name: 2-Propanol

Determinant: Acetone in urine

Value: 40 mg/L

Sampling time: End of shift at end of workerrk

Notation: B, Ns

Source: American Conference of Industrial Hygienists (ACGIH)

#### **Appropriate Engineering Controls**

No special engineering controls required.

Industrial applications: This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940 (2017) - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1(2009) Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

#### **Respiratory Protection**

Not generally required.

Industrial Application: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715 (2009), Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 (2012), Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### **Eye Protection**

Not generally required. However, avoid contact with eyes.

Industrial Application: Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.

Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 2 & 6 (2012) - Eye Protectors for Industrial Applications.

#### **Hand Protection**

Not required under normal conditions of use. The product is a hand cleaning/sanitizing agent.

Industrial Application: Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1 (2016): Occupational protective gloves - Selection, use and maintenance.

### Body Protection

Not generally required.

Industrial Application: Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Colourless liquid/gel
Colour	Colourless	Odour	Characteristic alcohol odour
Decomposition Temperature	Not available	Melting Point	Not available
Boiling Point	78°C (for Ethanol)	Solubility in Water	Completely miscible
pH	5.5 (for concentrate)	Vapour Pressure	5.8 kPa at 20°C (for Ethanol)
Vapour Density (Air=1)	1.59 at 15°C (for Ethanol)	Evaporation Rate	2.53 (n-Butyl acetate=1) (for Ethanol)
Viscosity	11500 cP	Density	0.87 g/cm <sup>3</sup>
Flash Point	21°C (Closed cup)	Flammability	Highly flammable liquid.
Auto-Ignition Temperature	392°C (for Ethanol)	Flammable Limits - Lower	3.5% (for Ethanol)
Flammable Limits - Upper	19% (for Ethanol)		

## 10. STABILITY AND REACTIVITY

### Chemical Stability

Stable under normal conditions of storage and handling.

### Reactivity and Stability

Reacts with incompatible materials.

### Conditions to Avoid

Heat, open flames and other sources of ignition.

### Incompatible materials

Strong oxidising agents.

### Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, fumes, smoke.

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

No toxicity data are available for this specific product. The available data for the ingredients are as follows:

#### Acute Toxicity - Oral

Ethanol:

LD50(rat): 7060 mg/kg

LD50(rat): 6300 mg/kg

#### Acute Toxicity - Inhalation

Ethanol:

LC50(rat): 20000 ppm/10h

**Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Inhalation**

Not a likely source of exposure. May cause irritation to the mucous membranes and upper airways.

**Skin**

The product is designed for skin contact. Not expected to have adverse effects when in contact with skin. However for individuals with sensitive skin, product may cause redness, itching or irritation.

**Eye**

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

**Respiratory sensitisation**

Not expected to be a respiratory sensitiser.

**Skin Sensitisation**

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.

2-Propanol is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

**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.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity**

Harmful to aquatic life.

**Persistence and degradability**

Not available

**Mobility**

Not available

**Bioaccumulative Potential**

Not available

**Other Adverse Effects**

Not available

**Environmental Protection**

Do not discharge product into drains, sewers or waterways.

## 13. DISPOSAL CONSIDERATIONS

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**Disposal considerations**

Product Disposal:

Product wastes are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. This product can be disposed through a licensed commercial waste collection service. In this specific case the product is a flammable substance and therefore can be sent to an approved high temperature incineration plant for disposal.

Personal protective clothing and equipment as specified in Section 8 of this SDS must be worn during handling and disposal of this product. The ventilation requirements as specified in the same section must also be followed, and the precautions given in Section 7 of this SDS regarding handling must also be followed.

Do not dispose into the sewerage system. Do not discharge into drains or watercourses or dispose where ground or surface waters may be affected.

In New Zealand, the disposal agency or contractor must comply with the New Zealand Hazardous Substances (Disposal) Regulations 2001. Further details regarding disposal can be obtained on the EPA New Zealand website under specific group standards.

#### Container Disposal:

The container or packaging must be cleaned and rendered incapable of holding any substance. It can then be disposed of in a manner consistent with that of the substance it contained. In this instance the packaging can be disposed through a commercial waste collection service.

Alternatively, the container or packaging can be recycled if the hazardous residues have been thoroughly cleaned or rendered non-hazardous.

In New Zealand, the packaging (that may or may not hold any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## 14. TRANSPORT INFORMATION

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### Transport Information

#### Road and Rail Transport:

This material is classified as Dangerous Goods Class 3 - Flammable Liquid

Must not be loaded in the same freight container or on the same vehicle with:

- Class 1: Explosives
- Division 2.1: Flammable gases
- Division 2.3: Toxic gases
- Division 4.2: Spontaneously combustible substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides or
- Class 7: Radioactive materials unless specifically exempted.

Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- Division 4.3: Dangerous when wet substances

Goods of packing group II or III may be loaded in the same freight container or on the same vehicle if transported in segregation devices with:

- Division 4.2: Spontaneously combustible substances
- Division 4.3: Dangerous when wet substances
- Division 5.1: Oxidising substances
- Division 5.2: Organic peroxides

#### Marine Transport (IMO/IMDG):

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

Class/Division: 3

UN No: 1170

Proper Shipping Name: ETHANOL (ETHYL ALCOHOL)

Packing Group: II

EMS: F-E, S-D

Special Provisions: 144

#### Air Transport (ICAO/IATA):

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

Class/Division: 3

UN No: 1170

Proper Shipping Name: ETHANOL (ETHYL ALCOHOL)

Packing Group: II

Packaging Instructions (passenger & cargo): 353

Packaging Instructions (cargo only): 364

Hazard Label: Flammable Liquid

Special Provisions: A3, A58, A180

**U.N. Number**

1170

**UN proper shipping name**

ETHANOL (ETHYL ALCOHOL)

**Transport hazard class(es)**

3

**Packing Group**

II

**Hazchem Code**

•2YE

**IERG Number**

14

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

## 15. REGULATORY INFORMATION

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**Regulatory information**

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

Group Standard: Cosmetic Products Group Standard 2017

**HSNO Approval Number**

HSR002552

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

SDS created: February 2018

**References**

- Workplace Exposure Standards and Biological Exposure Indices.
- Transport of Dangerous goods on land NZS 5433.
- Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).
- Assigning a hazardous substance to a group standard.
- Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).

## END OF SDS

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