

# SAFETY DATA SHEET

## TORK ALCOHOL GEL SANITIZER

Infosafe No.: LQ90C  
ISSUED Date : 24/08/2018  
ISSUED by: ASALEO CARE

### 1. IDENTIFICATION

**GHS Product Identifier**

TORK ALCOHOL GEL SANITIZER

**Product Code**

420103 / 511103 / 590103

**Company Name**

ASALEO CARE

**Address**

30 - 32 Westall Road Springvale  
Vic 3171 AUSTRALIA

**Telephone/Fax Number**

Tel: +61 3 9550 2999

Fax: +61 3 9547 8165

**Emergency phone number**

+61 3 9550 2999 (BH)

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

Hand Sanitiser

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/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 Liquids: Category 2

Eye Damage/Irritation: Category 2A

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Pictogram (s)**

Exclamation mark, Flame

**Precautionary statement – Prevention**

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.  
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 mist, powder, carbon dioxide or alcohol-resistant foam for extinction.

**Precautionary statement – Storage**

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

**Precautionary statement – Disposal**

P501 Dispose of contents/container to an approved waste disposal plant.

**Other Information**

This product contains Ototoxic substances. Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Ingredients**

Name	CAS	Proportion
Ethanol	64-17-5	>60 %
Propylene glycol	57-55-6	0.1-1 %
Glycerin	56-81-5	0.1-1 %
Diethyl phthalate	84-66-2	0.1-1 %
Ingredients determined not to be hazardous, including water.		To 100%

### 4. FIRST-AID MEASURES

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**Inhalation**

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 mist, powder, carbon dioxide or alcoholresistant foam.

### 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

•2Y

### 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

Store this product separately from food items and keep it out of the reach of children and pets.

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:

Propylene glycol

TWA: 150 ppm (Vapour & Particulates)

TWA: 474 mg/m<sup>3</sup> (Vapour & Particulates)

TWA: 10 mg/m<sup>3</sup> (Particulate only)

Ethanol

TWA: 1000 ppm

TWA: 1880 mg/m<sup>3</sup>

Glycerin

TWA: 10 mg/m<sup>3</sup>

Diethyl phthalate

TWA: 5 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**

No biological limits allocated.

#### **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
Colour	Colourless	Odour	Like alcohol
Decomposition Temperature	Not available	Melting Point	<0°C
Boiling Point	78°C	Solubility in Water	Soluble
Specific Gravity	0.84	pH	6.5
Vapour Pressure	23 hPa	Vapour Density (Air=1)	>1
Evaporation Rate	Not available	Odour Threshold	Not available
Viscosity	12000 mm <sup>2</sup> /s	Partition Coefficient: n-octanol/water	Not available
Flash Point	15.5°C	Flammability	Highly flammable liquid.
Auto-Ignition Temperature	>244°C	Flammable Limits - Lower	3.4%
Flammable Limits - Upper	19%		

## 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

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

### Possibility of hazardous reactions

Not available

### Hazardous Polymerization

Not available

## 11. TOXICOLOGICAL INFORMATION

### Toxicology Information

No toxicity data available for this material. The available acute toxicity data for the ingredient/s is/are given below.

#### Acute Toxicity - Oral

Ethanol:

LD50(rat): 7060 mg/kg - 24h

Propylene glycol

LD50(rat): 21000 - 34000 mg/kg - 24h

Glycerin  
LD50(rat): 12600 mg/kg - 24h

**Acute Toxicity - Inhalation**

Ethanol:  
LC50(rat): 124.7 mg/l/4h  
LD50(rat): 38 mg/l/10h  
LD50(rat): 2000 ppm/10h

**Acute Toxicity - Dermal**

Ethanol:  
LD50(rabbit): > 20000 mg/kg - 24h

Propylene glycol  
LD50(rabbit): > 10000 mg/kg - 24h

Glycerin  
LD50(rabbit): > 18700 mg/kg - 24h

**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.

**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.

**Other Information**

This product contains Ototoxic substances. Combination with noise exposure, even at safe levels, could still cause auditory injuries and hearing loss.

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## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No ecological data available for this material. The available ecological data for the ingredients is given below:

**Persistence and degradability**

Not available

### **Mobility**

The product is miscible with water and is therefore variable in soil and water.

### **Bioaccumulative Potential**

This product or some of its ingredients accumulate in nature.

### **Other Adverse Effects**

Not available

### **Environmental Protection**

Do not discharge product into drains, sewers or waterways.

### **Acute Toxicity - Fish**

Ethanol:

LC50(Rainbow trout (*Oncorhynchus mykiss*)): 12 - 16 g/l/96h

LC50(fathead minnow (*Pimephales promelas*)): > 100 mg/l/96h

Propylene glycol

LC50(Rainbow trout (*Oncorhynchus mykiss*)): 40613 mg/l/96h

LC50(Fish): 4660 - 54600 mg/l/96h

NOEC(Fish): 98 mg/l/168 h

Glycerin

LC50(Rainbow trout (*Oncorhynchus mykiss*)): > 500 mg/l/96h

LC50(fathead minnow (*Pimephales promelas*)): > 100 mg/l/96h

LC50(Ide (*Leuciscus idus*)) > 2900 mg/l/96h

### **Acute Toxicity - Daphnia**

Ethanol:

LC50(Freshwater water flea (*Daphnia magna*)): 12340 mg/l/48h

EC50(Freshwater water flea (*Daphnia magna*)): 9268 - 14221 mg/l/48h

Propylene glycol

EC50 (Freshwater water flea (*Daphnia magna*)): 4850 - 34400 mg/l/96h

EC50 (Freshwater water flea (*Daphnia magna*)): 43500 mg/l/48 h

Glycerin

EC50 (Freshwater water flea (*Daphnia magna*)): > 10000 mg/l/48 h

## **13. DISPOSAL CONSIDERATIONS**

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### **Disposal considerations**

Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near containers. Empty containers may contain flammable residues. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers. Advise flammable nature.

## **14. TRANSPORT INFORMATION**

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### **Transport Information**

Road and Rail Transport (ADG Code):

This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1: Explosives

- Division 2.1: Flammable Gases.

(Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500 L)

- Division 2.3: Toxic Gases

- Division 4.2: Spontaneously Combustible Substances

- Division 5.1: Oxidising substances

- Division 5.2: Organic Peroxides
- Class 6: Toxic or Infectious Substances  
(where the flammable liquid is nitromethane)
- Class 7: Radioactive materials unless specifically exempted

**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 SOLUTION (ETHYL ALCOHOL SOLUTION)

Packing Group: III

EMS: F-E, S-D

Special Provisions: 144, 223

**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 SOLUTION (ETHYL ALCOHOL SOLUTION)

Packing Group: III

Packaging Instructions (passenger & cargo): 355

Packaging Instructions (cargo only): 366

Hazard Label: Flammable Liquid

Special Provisions: A3, A58, A180

**U.N. Number**

1170

**UN proper shipping name**

ETHANOL SOLUTION

**Transport hazard class(es)**

3

**Packing Group**

III

**Hazchem Code**

•2Y

**IERG Number**

14

**IMDG Marine pollutant**

No

**Transport in Bulk**

Not available

**Special Precautions for User**

Not available

**Other Information**

Packing Group III is applied because of the viscosity of the liquid.

## 15. REGULATORY INFORMATION

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**Regulatory information**

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

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).



## Poisons Schedule

Not Scheduled

## 16. OTHER INFORMATION

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### Date of preparation or last revision of SDS

SDS amendment: June 2020

9. Physical and chemical properties, 14. Transport information

SDS created: August 2018

### References

- Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
- Standard for the Uniform Scheduling of Medicines and Poisons.
- Australian Code for the Transport of Dangerous Goods by Road & Rail.
- Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
- Workplace exposure standards for airborne contaminants.
- Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
- Globally Harmonised System of classification and labelling of chemicals.
- Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

## END OF SDS

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