



CLEANTOOLS (S) PTE LTD

UEN: 200009243W GST Reg. No.: 200009243W

5 Kaki Bukit Road 2,
#01/02-16 City Warehouse
Singapore 417839

W.e.f. 1st January 2020

SAFETY DATA SHEET (SDS)

1. Product Identification

Product identifier: Hand & Surface Liquid Sanitizer
Recommended Use: A refreshing alcohol-based liquid sanitizer that kills most common disease-causing organisms almost instantly. It can be used directly on hands or diluted with water for surface wiping.
Supplier's details: Cleantools (S) Pte Ltd
5 Kaki Bukit Road 2, #02-16 City Warehouse, Singapore 417839
Tel: 6744 4777, fax 6745 0261, website: www.cleantools.com
Emergency number: 6744 4777

2. Hazard Identification

GHS classification: Acute toxicity – oral: Category 4

GHS label element: Pictogram:



Signal word: Danger

Hazard statements:

H225:	Flammable liquid and vapour
H302:	Harmful if swallowed
H304:	May be fatal if swallowed and enter airways
H320:	Causes eye irritation

Precautionary statements:

P103:	Read label before use
P210:	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P242:	Use only non-sparking tools
P243:	Take precautionary measures against static discharge.
P264:	Wash hands thoroughly after use



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Response:

P301 + P330 + P331: If swallowed: rinse mouth, do not induce vomiting
P305 + P351 + P338: If in eyes: rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P233: Keep container tightly closed
P235: Keep cool
P403: Store in a well-ventilated place

Disposal:

P501: Dispose of chemical/container in accordance to local regulations

3. Information on ingredients

Component name	CAS	Composition (%)
Isopropyl alcohol		> 70
Deionized water		< 28
Propylene Glycol		< 0.2
Moisturizer		< 1
Fragrance		< 0.1
Aloe Vera Gel		< 0.2

4. First aid measure

After eye contact	Flush eyes with a large amount of water for at least 15 minutes. If irritation persists, get medical attention.
After ingestion	Drink large amount of water. Do not induce vomiting. Seek medical aid.
After inhalation	Move to fresh air.
After skin contact	N.A.

5. Fire and explosion hazard data

Suitable extinguishing media: Alcohol foam, dry chemical powder, water spray or carbon dioxide. Water spray may be used to keep fire-exposed containers cool and to flush spills away from exposures and to dilute spills to non-flammable mixtures. Do NOT use straight streams of water.

Firefighting procedures: Do not breathe fumes; do not use ordinary foam; avoid skin and eye contact; wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Vapours can flow along surfaces to distant ignition source and flash back. Containers may rupture violently in fire.



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Specific hazards arising from chemical: Alcohols can react vigorously with oxidisers.

Special Protective Actions for Fire Fighters: In event of fire, wear self-contained breathing apparatus with full face mask and protective clothing

6. Accidental release measures

Personal Precautions: For personal protection, see section 8
Environmental Precautions: Do not flush into sewer system. If the product contaminates water bodies, inform respective authorities.
Containment and Cleaning Up: Absorb with sand or an inert dry material. Keep in closed containers for disposal.
Steps for release of spillage: Wear suitable protective equipment. Major spills should be collected for disposal. Flush spills with large amount of water.

7. Handling and storage

Handling For personal protection, see section 8. Avoid breathing in of chemical. To prevent fire or explosion when dealing with large quantities, dissipate static electricity before transferring material.
Storage Keep container tightly closed and well labelled. Store in a cool, dry and well-ventilated areas. Store away from direct sunlight, oxidising agents, and heat and ignition sources.

8. Exposure control / personal protection

Appropriate Engineering Control Measures: N.A

Respiratory Protection: N.A.
Skin Protection: N.A.
Eye Protection: Conditions may require chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice.

9. Physical and chemical properties

Appearance: Clear liquid
Odour: Pleasant with mild fragrance
pH: Approx. 7
Specific Gravity (H₂O=1): Approx. 1
Boiling Point (°C): 100°C / 212°F
Melting/freezing point: 0°C / 32°F Water
Vapour pressure: N/A
Vapor Density (Air=1): N/A
Solubility: Dispersible
Evaporation Rate: N/A



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Viscosity: Variable
% Volatile by weight: 85%

10. Stability and reactivity

Stability	Stable
Conditions to Avoid	Heat, sparks, flame and build-up of static electricity
Incompatibility (Materials Avoid)	Reactive with oxidising agents.
Hazardous Decomposition Products	Burning can produce carbon dioxide and water, incomplete

11. Toxicological information

Acute Inhalation	May cause irritation to mucous membranes. May cause headaches
Acute Eye Contact	May cause eye discomfort
Acute Ingestion	May cause irritation

12. Ecological information

Ecotoxicity Effects:	Environmental hazard might occur in the event of unprofessional handling or disposal.
Persistence and Degradability:	Readily biodegradable.
Bioaccumulative Potential:	Low potential for bioaccumulation
Mobility in Soil:	Likely to volatilize rapidly into the air due to its high vapour pressure. The product is poorly absorbed onto soils or sediments.

13. Disposal consideration

Dispose under local government

14. Transport information

UN Number: 1170 Ethanol Solution Class 3, packing group III
This product is not regulated under transport regulations.

15. Regulatory information

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations:
This product is subject to the SDS, labelling and other requirements in the Act/Regulations.
Environmental Protection and Management Act: This product is subject to the requirements in the Act/Regulations.

16. Other information

This SDS have been revised in January 2020 to provide more information.



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End of SDS