

## **Safety Data Sheet (SDS)**

### **SuperSteam Alcogel**

#### **Section 1: Identification**

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Product Identifier:	<b>SuperSteam Alcogel (403)</b>
Recommended Use:	Hand sanitising gel. Kills 99.999% of germs as per BS EN 1040:2005 standard. This product is formulated to be biodegradable, non-toxic and safe to be used in the kitchen and food production area. Contains 70% ethanol (ethyl alcohol)
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***This product is made in Singapore in a ISO 22000:2018 compliant facility.***

#### **Section 2: Hazards Identification**

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##### **GHS Classification**

Acute Toxicity – Oral: Category 4

##### **GHS Label Elements**

###### **Pictograms:**



**Signal Word: DANGER**

##### **Hazard Statements:**

H225: Highly flammable liquid and vapour.  
H303: May be harmful if swallowed.  
H304: May be fatal if swallowed and enters airways  
H320: Causes eye irritation.

##### **Precautionary Statements:**

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.

**Response:**

P301 + P330 + P331: If Swallowed: Rinse mouth, Do NOT induce vomiting.  
P305 + P351 + P338: If in eyes: Rinse cautiously 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 contents / containers in accordance with Singapore regulations.

### Section 3: Composition / Information on Ingredients

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Component Name	CAS	Composition (% w/w)
Ethanol (Ethyl Alcohol)	64-17-5	70%
Glycerine	56-81-5	<5%
Acrylates/C10-30 Alkyl Acrylate Crosspolymer		<1%

### Section 4: First-Aid Measures

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**General Advice:**

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Seek medical advice if you feel unwell. Show this safety data sheet to the doctor in attendance.

**Inhalation:**

If inhaled, move person into fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact:**

N.A.

**Eye Contact:**

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical advice.

**Ingestion:**

If Swallowed: Rinse mouth, Do NOT induce vomiting. Seek medical advice immediately.

### Section 5: Fire-Fighting Measures

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**Suitable Extinguishing Media:**

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

**Fire Fighting Procedures:**

Do not use ordinary foam; do not breathe fumes; avoid eye and skin contact; wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the

pressure demand or other positive pressure mode. Vapours can flow along surfaces to distant ignition source and flash back. Containers may rupture violently in fire.

**Specific Hazards Arising From the 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.

## **Section 6: Accidental Release Measures**

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**Personal Precautions, Protective Equipment and Emergency Measures:**

For personal protection, see section 8.

**Environmental Precautions:**

Do not flush into surface or sanitary sewer system. If the product contaminates rivers, reservoirs or drains, inform respective authorities.

**Methods and Materials for Containment and Cleaning Up:**

Absorb with sand or an inert dry material. Keep in suitable, closed containers for disposal.

## **Section 7: Handling and Storage**

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**Precautions for Safe Handling:**

For personal protection, see section 8. Avoid breathing vapours or spray mists.

**Conditions for safe storage, including any incompatibilities:**

Keep container tightly closed and properly labelled in a cool, dry and well-ventilated place. Store out of direct sunlight, away from oxidising agents (e.g. bleach) and sources of heat and ignition (e.g. lit cigarettes or open flames)

## **Section 8: Exposure Controls/Personal Protection**

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**Control Parameters / Occupational Exposure Limits:**

Ethanol: TWA 1000ppm – 8 hours

TWA is the time-weighted average airborne concentration over an eight hour working day, for a five day working week over a working lifetime.

**Appropriate Engineering Control Measures:**

N.A.

**Personal Protection:**

**Respiratory Protection:**

N.A.

**Skin Protection:**

N.A.

**Eye Protection:**

N.A.

## Section 9: Physical and Chemical Properties

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Appearance at 25°C: Clear Gel  
Odour: No added fragrance, alcohol odour

### Property:

pH: 7.0±1.0  
Freezing point: N.A.  
Initial boiling point / range: Not available  
Flashpoint: 20-25°C  
Evaporation Rate: Not available  
Flammability: 3  
Upper/lower flammability: N.A.  
Vapour Pressure: Non volatile  
Vapour Density: N.A.  
Relative Density: 0.8-0.9  
Solubility in water at 25°C: Completely soluble  
Partition Coefficient: N.A.  
Auto-ignition temperature: 363°C  
Decomposition temperature: Not available  
Viscosity: 4000-15000 mPa.s (Brookfield, spindle L3, 6 rpm)

## Section 10: Stability and Reactivity

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### Reactivity:

N.A.

### Chemical Stability:

The product is stable.

### Possibility of Hazardous Reactions:

Stable under normal conditions.

### Conditions to Avoid:

Heat, sparks, flame and build-up of static electricity.

### Incompatible Materials:

Reactive with oxidising agents.

### Hazardous Decomposition Products:

Burning can produce carbon dioxide and water, incomplete combustion can produce carbon monoxide.

## Section 11: Toxicological Information

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Oral Toxicity: Ingestion – LD50 – rat – 10740 mg/kg

### Inhalation:

N.A.

**Skin:**

Skin irritation is not anticipated when used normally.

**Eyes:**

Irritating to eyes.

**Ingestion:**

Ingestion may cause gastrointestinal irritation.

**Section 12: Ecological Information**

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**Ecotoxicity Effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence and Degradability**

This product is readily biodegradable.

**Bioaccumulative Potential**

The ingredients used demonstrate low potential for bioaccumulation

**Mobility in Soil**

This product is likely to volatilize rapidly into the air because of its high vapour pressure. The product is poorly absorbed onto soils or sediments.

**Other Adverse Effects**

N.A.

**Section 13: Disposal Considerations**

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Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from the clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

**Section 14: Transport Information**

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This product follows IATA regulations.

UN Number: 1170 Ethanol Solution Class 3, packing group III

**Section 15: Regulatory Information**

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**Applicable National Regulations:**

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.

## Section 16: Other Information

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**Expiry date:** 1 year from the date of production (unopened cap, intact seal, stored in normal temperature away from high heat and direct sunlight).

In an opened package, Alcogel expires 6 months after the date of production (must be capped after use)

### Usage information

Use NEAT, Do not dilute (Alcogel cannot be diluted)

- Apply a small portion of the gel and spread on hands
- Rub the gel around palm, fingers and wrists.
- Allow it to air-dry.

Date Created and Latest Revision(s)

**28 June 2012:** Date of issue of SDS.

**17 July 2012:** Updated with ISO 22000 compliant facility

**23 July 2014:** Updated Section 1: Identification

**22 January 2015:** Updated Section 9 and Section 14

**11, May, 2015:** Updated Section 9

**21 February 2017:** Updated Section 16

**27 June 2017:** Updated Section 16

**29 December 2017:** Updated Section 16

**23 November 2018:** Updated Section 1

**19 March 2020:** Updated Section 3 and 14

**22 June 2020:** Updated Section 1, 3, 9, 11, 14 and 16.

**6 July 2020:** Updated Section 16

**29 September 2020:** Updated Section 14

**10 November 2020:** Updated Section 1

**29 September 2023:** Updated Section 9

**22 April 2024:** Updated Section 9

### Product proudly manufactured in Singapore.

SuperSteam Asia Pacific Pte Ltd is a one-stop distributor of professional cleaning machines, janitorial supplies and cleaning chemicals. Please feel free to contact us if you have any questions on this product or face any cleaning problems.

This information is provided for the customer's investigation and independent verification. While the data is believed to be correct at time of publishing, the use of this data and of the product is beyond the manufacturer's control. SuperSteam Asia Pacific Pte Ltd shall in no event be responsible for any loss or damages whatsoever, directly or indirectly resulting from the publication or use of or reliance upon the data contained herein. No warranty, either expressed or implied, of merchantability, of fitness, or of any nature with respect to the product, or to the data, is made herein. In all cases, it is the responsibility of the user to determine the applicability of such information or the suitability of any products for their own particular purpose.

~ End of SDS ~