

Safety Data Sheet (SDS) Sani-Free

Section 1: Identification

Product Identifier: Sani-Free
Recommended Use: Sani-Free is an alcohol, water-based sanitizer suitable for rinse-free hand application and surfaces. It contains over 70% alcohol (IPA) and kills 99.9% of bacteria and viruses on hands when used. It also contains benzalkonium chloride QAC disinfectants and can help with infection control. These active ingredients in the product are effective against viruses like coronaviruses and can help infection control

Product is recommended to be used neat to ensure full efficacy.

Non-toxic and biodegradable.

Supplier: Consolidated System(S) Pte Ltd
38 Tuas View Loop Singapore 637695
Tel: +65 6861 6328 (Mon-Fri 8:30am – 5:30pm)
Fax: +65 6861 3237
Email: sales@consolidatedsystem.com.sg

Section 2: Hazards Identification

GHS Classification

Skin Corrosion / Irritation	Category 2
Acute Toxicity - Oral	Category 4
Serious Eye Damage / Irritation	Category 2

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.

H336: May cause drowsiness or dizziness

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P240: Ground/bond container and receiving equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing fumes/mist/spray/vapours

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

Component Name	CAS	Composition
Benzalkonium chloride	68424-85-1	0.5%-1%
IPA	67-63-0	>70%
Salts of EDTA	64-02-8	<0.5%

Section 4: First Aid Measures

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

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

Personal Precautions, Protective Equipment and Emergency Measures:

For personal protection, see section 8.

For spills of large quantities, evacuate personnel to safe areas. Remove all sources of ignition. Avoid contact with spilled material. Do not breathe vapours or spray mist. Wear self contained breathing apparatus and protective suit. Shut off leaks if without risk. Keep people away from and upwind of spill / leak due to flammability of material.

Environmental Precautions:

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

For spills of large quantities, dike far ahead of liquid spill for later recovery and disposal. Prevent entry into basements or confined areas.

Methods and Materials for Containment and Cleaning Up:

For small spills, dilute with water and mop up, or absorb with sand or an inert dry material. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling:

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

To avoid fire or explosion when handling large quantities, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting and material handling) equipment.

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)

Precautions for Safe Handling:

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

To avoid fire or explosion when handling large quantities, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion proof electrical (ventilating, lighting and material handling) equipment.

Section 8: Exposure Controls / Personal Protection

Control Parameters / Occupational Exposure Limits:

N.A.

Appropriate Engineering Control Measures:

Effective exhaust ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

Control Parameters / Occupational Exposure Limits:

Alcohol: 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:

Section 9: Physical and Chemical Properties

Appearance at 25°C:	Clear Liquid
Odour:	Alcohol

Property:

pH:	7.5
Freezing point:	N.A.
Initial boiling point / range:	Not available
Flashpoint:	28°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:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

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.

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:**Section 11: Toxicological Information**

Inhalation:

Inhalation may cause irritation to mucous membranes. May cause nausea. May cause headaches.

Skin:

May cause skin irritation in susceptible persons.

Skin inflammation is characterized by itching, scaling, reddening or occasionally, blistering.

Effect will depend on concentration and length of time of exposure

Eyes:

May cause irreversible eye damage

Ingestion:

May cause irritation to mucous membranes.

May cause gastrointestinal disturbances.

Section 12: Ecological Information**Ecotoxicity Effects:**

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

Persistence and Degradability

Fully biodegradable.

Bioaccumulative Potential

The ingredients used demonstrate low potential for bioaccumulation

Mobility in Soil

No available information

Other Adverse Effects

N.A.

Section 13: Disposal Considerations

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 Considerations

Proper Shipping Name: Isopropyl alcohol

UN Number: 1219 Packing Group II, Dangerous Goods Flammable Liquids Class 3

Section 15: Regulatory Information

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

Usage information

Use NEAT, Do not dilute

- Combined effectiveness of >70% IPA and 4000ppm of active quaternary
- First clean surface / food processing equipment thoroughly
- Spray and allow to air dry
- Also suitable for rinse-free hand application

Expiry date: 2 years from the date of production, ensure capped after use, store in cool areas, away from direct sunlight.

Date Created and Latest Revision(s)

26 July 2016: Date of issue of SDS.

25 Jan 2019: Updated of SDS sections

9 Feb 2020: Updated of sections

Product proudly manufactured in Singapore.

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

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