

Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier Sparks Anti-Bacterial Hand Soap

Product Code DG8005 / DG8006

Product Use Pre-operative disinfecting hand wash

Company Information Sparks Cleantech Pte Ltd
11 Mandai Estate, 08-03
Singapore 729908
+65 8606 4088
info@sparks.sg

Emergency Contact +65 8606 4088

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health	Environmental	Physical
Not classified	Not classified	Not classified

GHS LABEL:

There is no risk or hazards based on GHS classification criteria.

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
Isopropyl alcohol	67-63-0	200-661-7	<5
Chlorhexidine gluconate	18472-51-0	242-354-0	4
Non-hazardous materials	Mixture	-	>90

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SECTION 4 FIRST AID MEASURES

Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Skin Contact

Remove contaminated clothing. Flush exposed area with large amount of water for at least 15 minutes. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Inhalation

Remove to open area for fresh air. If rapid recovery does not occur, transport to the nearest medical facility.

Ingestion

Seek medical advice immediately. Rinse mouth with water and do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspirations.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Flammable. Use dry chemical powder, alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto ignition or explosion.

Unsuitable Extinguishing Media

No restrictions

Specific Hazards Arising from the Chemical

Flammable in presence of open flames, sparks, static discharge, of heat, of oxidizing materials.

Protection for Fire-fighters

Evacuate personnel to safe areas. Intervention only by capable personnel who are trained and aware of the hazards of the product. In the event of fire, wear self-contained breathing apparatus. When intervention in close proximity wear acid resistant over suit. Clean contaminated surface thoroughly.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment

Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible products. Isolate the area. Cover the spreading liquid with foam in order to slow down the evaporation. Ventilate the area.

Environmental Precautions

Prevent discharges into the environment (sewers, rivers, soils). Immediately notify the appropriate authorities in case of discharge.

Method for Cleaning Up & Containment

If possible, dam large quantities of liquid with sand or earth. Collect the product with suitable means. Place everything into a closed, labeled container compatible with the product. Flush with plenty of water. Prevent product from entering drains. Treat recovered material as described in the section "Disposal considerations".

Emergency Procedures

Shut off leaks, if possible without personal risks. Remove all possible ignitions in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Take precautionary measures against static discharge

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SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling

Use proper bonding and ground (earthing) all equipment. Electrostatic discharge may cause fire.

Prevent small spills and leakage to avoid slip hazard. Avoid contact with skin

Conditions for Safe Storage

Keep container dry. Ground all equipment containing material. Keep container tightly closed.

Storage Temperature: Ambient

Storage/Transport Pressure: Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Ensure adequate ventilation. Provide appropriate exhaust ventilation at machinery. Refer to protective measures listed in sections 7 and 8. Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment (PPE)

Eye Protection

Eye protection is not required under normal conditions of use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

Skin Protection

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use chemical resistant protective gloves such as Polyvinyl alcohol coated gloves.

Respiratory Protection

In the case of hazardous fumes, wear self-contained breathing apparatus. Self-contained breathing apparatus in medium confinement / insufficient oxygen / in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

Thermal Hazards

NA

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light Red Liquid

Odour: Alcohol

Odour Threshold: NA

PH: 7-8

Melting Point/ Freezing Point (°C): Not determined

Initial Boiling Point and Range (°C): Not determined

Flash Point (°C): No flash point detected

[According to ISO 3679, Closed Cup Testing]

Evaporation Rate: Not determined

Flammability (Solid, Gas): Not applicable

Upper/Lower Flammability: Not determined

(Explosive) Limits

Vapour Pressure: Not determined

Vapour Density: Not determined

Relative Density: 1.00 ± 0.03

Solubility in Water: Soluble

Partition Coefficient: Not determined

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(N-Octanol/Water)

Auto-ignition Temperature (°C): Not determined

Decomposition Temperature: Not determined

Viscosity (mPa s): Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible Materials

Oxidizing agents.

Chemical Stability

Stable at normal conditions of use.

Possibility of Hazardous Reactions

Reactive with oxidizing agents

Hazardous Decomposition Products

Carbon oxides (CO, CO₂)

Conditions to Avoid

Sparks, open flames, heat and other ignition sources

Materials to Avoid

Strong oxidizers

SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenicity: Not carcinogenic under IARC

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence/Degradability

Not expected to bio-accumulate significantly

Bio accumulative Potential

Not expected to bio-accumulate significantly

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SECTION 13 DISPOSAL CONSIDERATIONS

Local Legislation

Dispose in compliance with local/federal and national regulations. It is recommended to contact the producer for recycling/recovery. Or send the product to an authorized hazardous waste incinerator.

Container Disposal

To avoid treatments, as far as possible, use dedicated containers. If not, rinse the empty containers with a low volatility hydrocarbon and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

SECTION 14 TRANSPORT INFORMATION

Special precautions

Before transportation, make sure the containers are tightly sealed and that there are no liquid or gas leaks.

When transporting containers, be sure that they are tightly fastened. An appropriate buffer material should be placed between them to prevent them from bumping each other and being damaged during transport.

This product is non-hazardous and not regulated

SECTION 15 REGULATORY INFORMATION

Applicable national regulations:

Standards on Hazard communication for hazardous chemicals and dangerous goods

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008-Preparation of safety data shee

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MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

- This product is subjected to SDS, labelling, PEL and other requirements in the Acts/Regulations.

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

- This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

- This product is not subjected to the requirement of this Acts/Regulations.

SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

- This product is not subjected to the requirement of this Acts/Regulations

SECTION 16 OTHER INFORMATION

This product is intended for use by skilled individuals at their own risk. The information, data and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. The company / manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The information is provided upon the condition that the persons receiving will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company / manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

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