

Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name Sparks Hand Sanitiser

Product Code D6005 / D6006 / D6007

Product Use Alcohol-free antiseptic hand rub

Company Sparks Cleantech P.L.
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: NONE

Hazard Statements: Not Classified

Prevention: Not Classified

Response: Not Classified

Disposal: Not Classified

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
Benzalkonium Chloride	68391-01-5	269-919-4	<1
Non-hazardous materials	Mixture	-	>99

Safety Data Sheet

SECTION 4 FIRST AID MEASURES

Eye contact

Non-irritating to the eyes.

Skin contact

Non-irritating to the skin.

Inhalation

No hazard expected in normal use.

Ingestion

No hazard expected in normal use.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Chemical

Not applicable.

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 a fire, 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. 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 incompatible products. Isolate 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. Treat recovered material as described in the section "Disposal considerations".

Emergency Procedures

Shut off leaks, if possible without personal risks. Use appropriate containment to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers.

SECTION 7 HANDLING AND STORAGE

Safety Data Sheet

Precautions for Safe Handling: No special handling procedures are required.

Conditions for Safe Storage: No special storage requirements.

Storage temperature: Ambient
Storage/Transport Pressure: Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Benzalkonium Chloride	Not Established	Not Established	Not Established	Not Established

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

Glove protection is not normally required.

Respiratory Protection

Respirator protection is not normally required.

Thermal hazards

NA

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Odour	Floral
Odour Threshold	Not Available
pH	5 - 7
Melting Point/ Freezing Point (°C)	Not determined
Initial boiling point and range (°C)	Not determined
Flash Point (°C) [According to ISO 3679, Closed Cup Testing]	No flash point detected (From ambient temperature to 93°C)
Evaporation Rate	Not determined

Safety Data Sheet

Flammability (solid, gas)	Not applicable
Vapour Pressure	Not determined
Upper/lower Flammability (Explosive) Limits:	Not determined
Vapour Density	Not determined
Relative Density	1.00 ± 0.03
Solubility in water	Soluble
Partition coefficient (N-Octanol/water)	Not determined
Auto-ignition Temperature (°C)	Not determined
Decomposition Temperature:	Not determined
Viscosity (mPa s)	Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible materials

Strong oxidizers, strong bases, strong acids.

Chemical Stability

Stable under ordinary conditions of use and storage.

Possibility of hazardous reactions

Hazardous polymerisation does not occur.

Hazardous decomposition products

Carbon oxides and nitrogen oxides (NO_x).

Conditions to avoid

No data available.

Materials to avoid

Strong oxidizing agents, reducing agents, strong acids.

SECTION 11 TOXICOLOGICAL INFORMATION

Ingredient Name: Benzalkonium Chloride

Effects on humans:

Eye contact

- May cause eye irritation and possible burns.

Skin contact

- Causes skin burns.

Inhalation

- May cause respiratory tract irritation.

Ingestion:

Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. Human fatalities have been reported from acute poisoning.

Acute toxicity:

Safety Data Sheet

Acute oral toxicity (LD50): 295mg/kg [Rat]

Skin corrosion/irritation: Rabbit, corrosive, 4h; DOT Test

Serious eye damage/irritation: Rabbit, 30ug Severe; Draize Test

Carcinogenicity: Not listed 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

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 water and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

SECTION 14 TRANSPORT INFORMATION

Land (ADR)

UN number	Not regulated
UN Class	NA
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	NA
HIN	NA

Sea (IMDG)

UN number	Not regulated
UN Class	NA
Subsidiary risk	NA
Packing Group	NA

Safety Data Sheet

Proper shipping name NA

Marine pollutant NA

Sea (Annex II of MARPOL 73/78 and the IBC Code)

Pollution category NA

Ship type NA

Product name NA

Air (IATA)

UN number Not regulated

UN Class NA

Subsidiary risk NA

Packing Group NA

Proper shipping name NA

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.

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 sheet

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

- This product is subject 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 subject 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 subject to the requirement of this Acts/Regulations

Safety Data Sheet

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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