

# Safety Data Sheet

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Name/Identifier** Sparks Disinfectant

**Product Code** D6001 / D6002

**Product Use** Actively removes dirt for multipurpose cleaning

**Company Information** Sparks Cleantech Pte Ltd  
11 Mandai Estate, 08-03  
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**Emergency Contact** +65 8606 4088

## SECTION 2 HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Health		Environmental	Physical
Skin irritation	Category 2	Not Classified	Not Classified
Eye irritation	Category 2		

### GHS LABEL:



### Hazard Statements:

H315 Causes skin irritation  
H320 Causes eye irritation

### Prevention Precautionary Statements:

P264 Wash face, hands and any exposed skin thoroughly after handling.  
P280 Wear eye protection/face protection/protective gloves.

### Response Precautionary Statements:

P362 Take off contaminated clothing and wash before use.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### Disposal:

P501 Dispose of contents/container to local/regional/national/international regulations

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## SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	68424-95-3	270-331-5	<5
Non-hazardous materials	Mixture	-	>95

## 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. Get medical attention.

### Skin contact

Remove contaminated clothing and shoes. Flush exposed area with large amount of water for at least 15 minutes followed by washing with soap. Get medical attention.

### Inhalation

Remove to open area for fresh air. If breathing is difficult, give oxygen. Get medical attention.

### Ingestion

If swallowed, do not induce vomiting without medical advice. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspirations. Get medical attention.

## SECTION 5 FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

Use water spray, carbon dioxide, dry chemical powder, fog or foam to cool fire exposed surfaces and to protect personnel.

### Unsuitable Extinguishing Media

Do not use water in a jet.

### Specific Hazards Arising from the Chemical

Decomposition under fire conditions will generate toxic gas.

### 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.

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**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. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

**SECTION 7 HANDLING AND STORAGE**

**Precautions for Safe Handling:** Use proper bonding and grounding (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. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep in a cool, well-ventilated place.

Storage temperature: Ambient  
Storage/Transport Pressure: Atmospheric

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	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**

Apron/boots of neoprene if risk of splashing. For hand protection, use chemical resistant protective gloves such as Polyvinyl alcohol coated gloves.

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## 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

<b>Appearance</b>	Clear
<b>Odour</b>	Jasmine
<b>Odour Threshold</b>	Not Available
<b>pH</b>	7
<b>Melting Point/ Freezing Point (°C)</b>	Not determined
<b>Initial boiling point and range (°C)</b>	Not determined
<b>Flash Point (°C) [According to ISO 3679, Closed Cup Testing]</b>	No flash point detected (From ambient temperature to 93°C)
<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour Pressure</b>	Not determined
<b>Upper/lower Flammability (Explosive) Limits:</b>	Not determined
<b>Vapour Density</b>	Not determined
<b>Relative Density</b>	0.99 ± 0.03
<b>Solubility in water</b>	Soluble
<b>Partition coefficient (N-Octanol/water)</b>	Not determined
<b>Auto-ignition Temperature (°C)</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity (mPa s)</b>	Not determined

## SECTION 10 STABILITY AND REACTIVITY

### Reactivity/Incompatible materials

Strong oxidizers.

### Chemical Stability

Stable under ordinary conditions of use and storage.

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## **Possibility of hazardous reactions**

Combustion and thermal decomposition.

## **Hazardous decomposition products**

Thermal decomposition may produce toxic vapours/ fumes of hydrogen chloride, amines and other organic materials, and oxides of carbon and nitrogen.

## **Conditions to avoid**

None known

## **Materials to avoid**

Strong oxidizing agents, reducing agents, strong acids.

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## **SECTION 11 TOXICOLOGICAL INFORMATION**

### **Acute toxicity (ATE<sub>mix</sub>)**

Acute oral toxicity (LD50): >5000 mg/kg [Rat]. Acute

dermal toxicity (LD50): >5000 mg/kg [Rabbit].

Inhalation toxicity (LC50): >100 mg/L

**Carcinogenicity:** Not listed under IARC.

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## **SECTION 12 ECOLOGICAL INFORMATION**

### **Toxicity**

Non Toxic

### **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.

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## **SECTION 14 TRANSPORT INFORMATION**

**Land (ADR)/ Sea (IMDG and Annex II of MARPOL 73/78 and the IBC Code)/ Air (IATA)**

**UN number**

Not regulated

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**UN Class** NA  
**Subsidiary risk** NA  
**Packing Group** NA  
**Proper shipping name** NA  
**HIN** 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**

**USA Information**

**This product does not contain any chemical(s) which is listed under Comprehensive Environmental Response and Liability Act of 1980 (CERCLA).**

**Superfund Amendments and Reauthorization Act (SARA) Title III Information: SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<u>Ingredient</u>	<u>Acute Hazard</u>	<u>Chronic Hazard</u>	<u>Fire Hazard</u>	<u>Pressure Hazard</u>	<u>Reactivity Hazard</u>
Quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides	Yes	No	Yes	No	No

**This product does not contain any toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372)**

**Canada Information**

**This product does not contain any chemical(s) which is listed under WHMIS classification.**

**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

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