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## Material Safety Data Sheet

### Part 1 Chemicals and Enterprise Identification

Product name:	Lugol Iodine
Product number:	029120
Company Name:	Guangdong Huankai Microbial Sci. & Tech. Co.,Ltd.
Address:	No. 788, Shenzhou Road, Science City, Guangzhou Development Zone, Huangpu District, Guangzhou City, Guangdong Province
Post code:	510663
Company website	<a href="http://www.huankai.com">http://www.huankai.com</a>
Email address:	<a href="mailto:webmaster@huankai.com">webmaster@huankai.com</a>
Fax number:	020-32079986
Technical hotline:	020-32078333-8877/8876
Recommended and restricted uses:	Biochemical research/analysis

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### Part 2 Hazard Overview

GSH hazard category	Not a hazardous mixture.
GSH tag elements	Non-hazardous substances or mixtures
Other hazards (health hazards, environmental hazards)	No reports

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### Part 3 Composition Information

#### Mixture

Chemical composition:	Refer to the instructions for use of the medium.
Hazardous material ingredients:	None

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### Part 4 First Aid Measures

General information:	No special measures are required.
Skin contact:	Wash thoroughly with clean water immediately.
Eye contact:	Immediately lift your eyelids and rinse with plenty of running water for 15 minutes. Seek medical attention if you feel unwell
Inhalation:	If inhaled, move person to fresh air, if not breathing, remove person Perform respiratory procedures and contact a physician.
Ingestion:	If swallow, rinse mouth with water and seek medical attention if unwell.
Medical information:	Present the product instructions or this SDS.

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## Part 5 Firefighting Measures

Hazardous characteristics:	Does not support combustion.
Hazardous combustion products:	Carbon monoxide, carbon dioxide, nitrogen oxides.
Fire extinguishing methods and fire extinguishing media:	Use a fire extinguisher suitable for the surrounding fire source. Water, foam, carbon dioxide, sand.
Fire fighting precautions:	Prevent gas inhalation.

## Part 6 Emergency Response to Release

Personal protection:	No special measures required.
Environmental protection measures:	Wipe clean with a damp cloth and floor mop.
Cleaning/Collection Measures:	Keep dry. Wash soiled areas promptly

## Part 7 Handling and Storage

Precautions for safe operation:	To prevent dust from rising, ventilation equipment should be provided.
Storage precautions:	Store in a dark, dry place and tighten the bottle cap immediately after use.

## Part 8 Exposure Controls/Personal Protection

<b>Occupational exposure limits</b>	There are no known national exposure limits.
<b>Engineering control:</b>	Provide safety showers and eyewash facilities
<b>Personal protection measures</b>	
Respiratory protection:	Weigh product in a fume hood and wear a mask.
Eye protection:	Wear safety glasses.
Body protection:	Wear a lab coat.
Hand protection:	Wear chemical-resistant gloves.
Other protection:	Routine industrial hygiene practices, wash hands promptly after work.

## Part 9 Physical and Chemical Properties

Exterior:	Liquid	pH value:	No data available
Color:	Brown	Odor:	Characteristic
Melting point:	No data available	Boiling point:	No data available
Rising point:	No data available	Flash point:	No data available

### Explosion limit

Lower limit:	No data available	Upper limit:	No data available
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Thermal decomposition: No data available

Solubility: Easily soluble in water

## Part 10 Stability and Reactivity

Stability:	Stable when stored under appropriate conditions.
Conditions to avoid:	Avoid contact with strong oxidizing substances.
Taboo items:	No data available
Hazardous decomposition products:	No decomposition if used according to product instructions.
Aggregation Hazards:	No data available

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## Part 11 Toxicological Information

Acute toxicity:	No data available
Skin irritation or corrosion:	No data available
Eye irritation or corrosion:	No data available
Respiratory or skin allergies:	No data available
Germ cell mutagenesis:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Specific Target Organ Systemic Toxicity—Single Exposure:	No data available
Specific target organ toxicity - repeated exposure	No data available
Inhalation hazard	No data available

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## Part 12 Ecological Information

Ecotoxicity:	No data available
Persistence and degradability:	No data available
Bioaccumulation potential:	No data available
Mobility in soil:	No data available
Other environmental hazards:	No data available

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## Part 13 Disposal

### Product

Disposal method: Dispose in accordance with relevant local government regulations.

### Package

Recommendation: Discard or recycle according to relevant local government regulations.

Recommended cleaning reagents: Water and cleaning agent if needed.

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## Part 14 Transportation Information

United Nations Dangerous Goods Number (UN Number):	None
UN shipping name:	Non-dangerous goods

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Transport hazard classification:	None
Packaging category:	None
Packaging mark:	None
Packing:	Glass bottle, ordinary paper box
Marine pollutants (yes/no):	No
Transportation precautions	Please select appropriate transportation tools and corresponding transportation and storage conditions according to the properties of the chemicals. The transportation tools should be equipped with corresponding types and quantities of fire-fighting materials and leakage emergency treatment equipment.

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## Part 15 Regulatory Information

Regulations on the Safety Management of Hazardous Chemicals (issued by the State Council on January 9, 2002)

Regulations on the safe use of chemicals in the workplace ([1996] Ministry of Labor Issue No. 423)

Classification and marking of commonly used hazardous chemicals (GB13690-2009)

GB/T22234-2008 Chemical labeling specifications based on GHS

GB/T 16483-2008 Chemical Safety Data Sheet Contents and Project Sequence

GB/T 17519-2013 Guidelines for Preparing Chemical Safety Data Sheets

GBZ 2.1-2007 Occupational Exposure Limits for All Hazardous Agents in the Workplace Part 1: Chemical Hazardous Agents

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## Part 16 Other Information

Part 2, GHS hazard classification and labeling elements, comes from the *Globally Harmonized System of Classification and Labeling of Chemicals*.

Training recommendations: Provide adequate information, guidance and training to operators.

The information in this table is based on our current knowledge and is intended to provide the correct safety precautions for the product and should be used as a guide only.