



MATERIAL SAFETY DATA SHEET (MSDS)

**THIS MSDS IS AUTHORED BASED ON THE DATA SUPPLIED BY
AND IDENTIFIED ON BEHALF OF THE CLIENT.**

SAMPLE NAME: POVIDONE-IODINE SWABSTICK

CLIENT NAME: TAIZHOU RUNMEI SANITARY PRODUCTS CO., LTD.

**CLIENT ADDRESS: South Factory of F2, Building 4, No.80 Xiqi Road, Suchen Town,
Hailing District, Taizhou, CHINA**

MSDS NO.: ZX210728-040301

ISSUE DATE: JUL. 31, 2021

**SIGNED FOR AND ON BEHALF OF BEIJING ZKGX
RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY**

APPROVED SIGNATORY :



Material Safety Data Sheet

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Section 1: Identification

Product name: Povidone-iodine swabstick
 Product NO.: ZX210728-040301
 Company: Taizhou Runmei Sanitary Products Co., Ltd.
 Address: South Factory of F2, Building 4, No.80
 Xiqi Road, Suchen Town, Hailing District,
 Telephone: 16605230959
 Emergency TEL: 225300
 E-mail: 361210648@qq.com
 Zip code: 0523-89558989

Section 2 : Hazard Identification

Material classification: This product is not included in the list of hazardous Chemicals.
 Hazards identification: No corrosive
 Health hazards: Normal use without obvious irritation. A few people have allergic reactions. It's toxic when swallowed.
 Fire and explosion danger: Cause to burn on open flame.
 Environmental hazards: This product is not allowed to be discharged directly into the environment.

Section 3: Composition/Information On Ingredients

Substance	√Mixture		
Chemical name		Concentration	CAS NO.
Povidone iodine		10	/
Purified water		90	/

Section 4 : First-aid Measures

Skin contact: No special first aid is required for normal use. If there is any allergy or discomfort, wash the skin thoroughly with soap and water immediately and seek medical advice.
 Eyes contact: Separate eyelids and rinse thoroughly with flowing water or normal saline for 15



minutes. If discomfort occurs, seek medical advice.

Inhalation: No special first aid is required for normal use.

Ingestion: Drink plenty of warm water to induce vomiting. Go to a doctor.

Section 5: Fire-fighting Measures

Hazard characteristics: Eating can be toxic.
Burning in the presence of an open flame.

Hazardous combustion products: No data available.

Fire extinguishing methods: Use fog water, ethanol foam, dry powder, carbon dioxide, sand and other methods to extinguish the fire.

Precautions and protective measures for fire fighting: Fire fighters must wear gas masks and full body fire suits to fight the fire upwind.
Wear self-contained breathing apparatus if necessary.

If possible, move the product from the fire to an open area.
Isolate the accident site and keep irrelevant people out. Receive and treat fire water to prevent environmental pollution.

Section 6: Accidental Release Measures

Emergency treatment: This product is a daily necessities, if there is leakage, can be treated as household garbage.

Safety protection measures related to people: No special security protection is required for normal operation.

Environmental precautions: To absorb the leakage and avoid polluting the environment.
Prevent spills from entering sewers, surface water and groundwater.

Section 7: Handling and Storage

Precautions for safe handling: Operators must receive special training and strictly abide by the operating rules.
The operation and disposal should be carried out in a place with local ventilation or full ventilation.

Keep away from fire and heat source. Do not smoke in the workplace. Use explosion-proof ventilation systems and equipment.

Provide suitable exhaust equipment where dust is generated.

Avoid contact with prohibitions such as oxidants (see Part 10 for prohibitions).

In order to prevent the damage of packaging and products, light packing and unloading should be carried out.

Wash hands after use, and do not eat or drink in the workplace. Equipped with the appropriate variety and quantity of fire equipment and leakage emergency treatment equipment.

Storage Store in cool, ventilated warehouse. The temperature of the storage should not exceed



considerations: 37°C.

It should be stored separately from oxidants and food chemicals, and should not be mixed (see section 10 for prohibited compounds).

Maintain seal. Keep away from fire and heat.

The exhaust system shall be provided with a grounding device for conducting and removing static electricity.

Section 8: Exposure Controls/Personal Protection

- Appropriate engineering controls:** Closed operation, local exhaust to prevent leakage.
The workplace is recommended to be separated from other workplaces.
Set up automatic alarm device and accident ventilation.
Set up emergency evacuation channels and necessary evacuation areas.
Set the red area warning line, warning identifier, warning description in Chinese, and set the communication alarm system.
Provide safe shower and eye wash equipment.
- Respiratory protection:** Normal use, no special protection.
- Eye protection:** Normal use, no special protection.
- Hand protection:** Normal use, no special protection.
- Body protection:** Normal use, no special protection.
- Other protection:** Smoking, eating and drinking are prohibited on the job site. After the work is finished, clean it thoroughly.

Section 9: Physical and Chemical Properties

- Appearance and character:** Solid, no special smell.
- Freezing point, °C :** No data available **Relative density (water in 1), kg/m²:** No data available
- Residual carbon, % :** No data available **Kinematic viscosity (20°C, mm²/s):** No data available
- Water volume, % :** No data available **Calorific value (kcal):** No data available
- Main application:** Disinfection of hands and skin. **Mechanical impurities:** None

Section 10: Stability and Reactivity

- Chemical stability:** Storage and use at normal ambient temperature, this product is stable.
- Prohibited substances:** Strong oxidant, strong base, etc.
- Conditions to avoid:** High temperature and high voltage, electrostatic discharge, high temperature, humidity, etc.
- Polymerization harm:** None
- Decomposition products:** None

Section 11: Toxicological Information



- Acute toxicity:** Ingestion may cause irritation and discomfort.
Irritation: A few people have allergic reactions.
Sensitization: No data available
Mutagenicity: No data available
Teratogenicity: No data available
Carcinogenicity : No data available

Section 12: Ecological Information

- Ecological Toxicity:** Acute toxicity test of fish: No data available.
Daphnia acute activity inhibition test: No data available.
Algae Growth Inhibition Test: No data available.
Toxicity to microorganisms: No data available.
- Biodegradability:** No data available
Non-biodegradable: No data available
Bioaccumulation or bioaccumulation: No data available
Other adverse effects: No data available

Section 13: Disposal Considerations

- Waste chemicals:** Waste production should be avoided or reduced as much as possible.
Recycle as much as possible.If recycling is not possible, dispose of it as recommended by the manufacturer.Do not dispose of this product in a random way.
- Contaminated packaging:** Return the container to the manufacturer or dispose of it in accordance with national and local regulations.
- Precautions for abandonment:** Refer to relevant national and local laws and regulations before disposal.See Section 8 for safety precautions for disposal personnel.

Section 14: Transport Information

- United Nations dangerous goods number:** No data available
UN number: No data available
Packing requirements: No data available
Packaging category: No data available
Packing method: Package according to the manufacturer's recommendation.
- Matters of attention to transportation:** The packing should be complete and the loading should be safe.
During transportation, we should ensure that the product does not leak, collapse, fall or damage.
It is strictly prohibited to mix and transport with oxidizer, reducing agent, alkali, edible chemicals, etc.



During transportation, it should prevent from insolation, rain and high temperature. Transport vehicles should be equipped with the appropriate variety and number of fire equipment and leakage emergency treatment equipment. The exhaust pipe of the vehicle carrying this product shall be equipped with fire retarder. Stay away from fire and heat sources during stopovers. Vehicles should be thoroughly cleaned after transportation. Road transport should be driven according to the prescribed route and the transport means should be posted hazard signs and announcements according to the relevant transport requirements.

Section 15: Regulatory Information

Regulatory information:

The following laws, regulations, rules and standards shall provide for the management of such chemicals:

Domestic chemical safety management regulations: Not included

Regulations on the Safety management of chemical Dangerous Goods: Not included

Detailed rules for the implementation of the Regulations on the Safety Management of Chemical Dangerous Goods: Not included

Safe use of chemicals in the Workplace: Not included

Catalogs of occupational-disease-inductive factors: Not included

Hazardous Chemicals list: Not included

List of explosive hazardous chemicals: Not included

List of hazardous chemicals under key supervision: Not included

List of the first and second batch of hazardous chemicals under key supervision: Not included

List of key hazardous chemicals for environmental management: Not included

Regulations on the Administration of narcotic drugs and psychotropic Substances: Not included

Catalogue of narcotic drugs: Not included

Catalogue of psychotropic drugs: Not included

List of existing chemicals in China: Not included

Section 16: Other Information

Preparation and revision of information:

This is version 1.0 in compliance with GB/T 16483-2008, GB/T 17519-2013 and GB 30000 classification standards.

Abbreviations and acronyms:

CAS: CAS login number

MAC: maximum allowable concentration refers to the concentration where toxic chemicals should not exceed during any time during a working day.

Allows PC - TWA: time weighted average concentration (permissible concentration -



time weighted average), refers to the time for weight regulation, 40 h week 8 h working day average permissible exposure concentration.

PC - STEL: short time contact allowable concentration (permissible concentration - short term exposure limit), refers to under the premise that comply with the PC - TWA allows the concentration of short contact time (15 min).

References: 【1】International Programme on Chemical Safety: International Chemical Safety Card (ICSC)

Website: <http://www.ilo.org/dyn/icsc/showcard.home>

【2】 International Agency for Research on Cancer <http://www.iarc.fr/>

【3】 The OECD Global portal to Information on Chemical Substances

Website: [http://www.echemportal.org/echemportal/index?PageID=0 & request_locale = en](http://www.echemportal.org/echemportal/index?PageID=0&request_locale=en)

【4】 The CAMEO Chemicals Database,

Website: <http://cameochemicals.noaa.gov/search/simple>

【5】 United States National Library of Medicine: Chemical Database

Website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>

【6】 United States Environmental Protection Agency: Integrated Risk Information System (epa) : integrated risk information system,

Website: <http://cfpub.epa.gov/iris/>

【7】 U.S. Department of Transportation: Emergency Response Guidelines,

Website: <http://www.phmsa.dot.gov/hazmat/library/erg>

【8】 GESTIS – Databases on Hazardous Substances

Website: <http://gestis-en.itrust.de/>

This MSDS applies only to the included products, and not to mixtures of these products and other substances unless specified otherwise in the document.

This MSDS provides safety guidance with regard to handling the product exclusively for those who have received proper profession training in related areas.

Users must reassess the applicability of this MSDS. The author of this MSDS will be relieved from liability for safety issues and subsequent damages caused by using this document.