



Material Safety Data Sheet

1. Substance/preparation and company designation

Trade name : Dr. Disinfectant (Alcoholic Povidon Iodine 10%)
Address : Saudi Mais co. for medical products
P.O. Box: 3900 – Riyadh 14335 – 7599 – Saudi Arabia Tel. : +966
11 2650184 Fax : 2650139 3rd Industrial Area, Al-kharj Road,
Street No. 256
Date of issue : Nov 2019

2. Composition/information to ingredients

Product type : Disinfectant
Application :

Dangerous substances contained:	Content
Ethanol	25 - 30 %
Povidon Iodine USP	10 %

3. Possible dangers

Emergency Overview: May irritate areas of contact. Wash areas of contact with plenty of water. For eyes, get medical attention.

Target Organs: eyes, skin, respiratory system, thyroid, kidneys

Eye Contact: Causes irritation.

Inhalation: May cause mild irritation of the respiratory tract.

Skin Contact: May cause irritation. Will stain skin.

Ingestion: May cause nausea, vomiting, diarrhea and cramps.

Chronic Effects/Carcinogenicity: Chronic ingestion of large amounts may result in thyroid disease.

IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Not Applicable.

Teratology (Birth Defect) Information: Not Applicable.

4. First aid measures

Eyes : Immediately rinse with copious amount of water for some minutes. Consult a physician.
Inhalation : If handled carefully and used as directed there is no danger or consult a physician.
Skin : Immediately wash off with soap under running cold water.
Ingestion : Rinse mouth and drink copious amount of water afterwards. Consult a physician.

5. Fire-fighting measures

Flash Point: Not Available.

LFL: Not Available.

Method Used: Not Available.

UFL: Not Available.



Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard. Fire Fighting Instructions: Use normal procedures/instructions.

Fire Fighting Equipment: Use protective clothing and breathing equipment appropriate for the surrounding fire.

6. Measures in case of accidental release

Absorb with suitable material and dispose of in accordance with local regulations. Solution may be neutralized with Sodium Thiosulfate solutions until colorless, then flushed down the drain with excess water.

7. Storage and handling

Storage : The product should be stored at a dry and cool place, if possible in full airtight containers.
Work hygiene, handling : Well aired and cool rooms, in approved containers (e.g. varnished inside or made of high grade steel).

8. Exposure controls and personal protection

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

Respiratory Protection: Normal room ventilation is adequate.

Skin Protection: Chemical resistant gloves.

Eye Protection: Safety glasses or goggles.

9. Physical and chemical characteristics

Specific Gravity: Approximately 1.1

Vapor Pressure: Not Applicable.

Solubility in Water: Infinite

Melting Point(°C): Not Available.

Odor: characteristic Iodine odor

Boiling Point(°C): Not Available.

Appearance: Dark brown liquid

pH: 1.5 - 6.5

10. Stability and reactivity

Chemical Stability: Stable under normal conditions of use and storage.

Incompatibility: Powdered Aluminum, Active metals (Lithium, Potassium, Sodium), Ammonia, Acetylene, Acetaldehyde, strong Oxidizers.

Hazardous Decomposition Products: When heated to decomposition, emits irritating smoke and fumes including Iodine vapors, nitrous oxides and Iodide.

Hazardous Polymerization: Will not occur.

11. Toxicological information

LD50, Oral, Rat: (PVP-Iodine) 8800 mg/kg, details of toxic effects not reported other than lethal dose value.



12. Ecological information

Ecotoxicological Information: There is insufficient information available to evaluate the long -term effects of Iodine on aquatic life, birds, plants or terrestrial animals.

Chemical Fate Information: Iodine is highly persistent in water, with a half-life of between 20 and 200 days. The concentration of Iodine found in fish tissues is expected to be much higher than the average concentration of Iodine in water from which the fish was taken.

13. Refuse disposal method

Dilute solution with water. Neutralize with Sodium Thiosulfate solutions until colorless . Neutralize this resulting solution with Sodium Carbonate or dilute Hydrochloric Acid solutions, then wash down the drain with excess water if local regulations allow. If not allowed, save for recovery or recycling with a RCRA approved waste disposal facility.

14. Regulations

Label : Dr. Disinfectant (Alcoholic Povidon Iodine 10%)
Ref. No : HL-1341

15. Other data

The above information is given to the best of our knowledge and belief. The data is partially taken from the literature (different sources). For further information

contact :

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