

Hardy Diagnostics

Safety Data Sheet

1. Product And Company Identification

1.1. Product identifiers

Product Name: Stabilized Gram's Iodine

Other Common Names: Povidone iodine.

Catalog Number: I008

Recommended use

Used to stain microorganisms from cultures or specimens by the differential Gram method.

Details of the supplier of this Safety Data Sheet

Company: Hardy Diagnostics
1430 West McCoy Lane
Santa Maria, CA 93455

Telephone: (805) 346-2766

(800) 266-2222

Emergency Phone: (800) 424-9300 ChemTrec (24hr service)

2. Hazards Identification

2.1. Classification of substance or mixture


Eye Damage/Eye Irritation (Category 2), H319

Acute Toxicity – Oral (Category 4), H302

Acute Toxicity – Dermal (Category 4), H312

Skin Corrosion/Irritation (Category 3), H316

2.2. GHS Label elements, including precautionary statements

Pictogram:	
Signal Word:	Warning
Hazard Statements:	
H302	Harmful if swallowed.
H312	Harmful in contact with skin
H316	Causes mild skin irritation
H319	Causes serious eye irritation
Precautionary Statements:	
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P264+P265	Wash thoroughly after handling. Do not touch eyes
P270	Do not eat, drink, or smoke when using this product
P273	Avoid release to the environment.
P281	Use personal protective equipment as required
P305+P338	IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P333+P317	If skin irritation or rash occurs: Get medical help
P361+P364	Remove all contaminated clothing and wash it before reuse.
P410+P403	Protect from sunlight. Store in a well-ventilated place
P501	Dispose of contents/container in accordance with local regulations.

2.3. Hazards not otherwise classified or not covered by GHS

None

3. Composition/Information on Ingredients

3.1. Mixtures:

Hazardous components:

Substance:	Concentration:	Hazard Information:
Providone Iodine (CAS# 25655-41-8)	5-15%	Eye Damage 2, Acute Oral Toxicity 4, Acute Dermal Toxicity 4, Skin Corrosion 3

First Aid Measures

3.2. Description of general first aid measures:

Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration and immediately seek medical attention.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice.
Skin Contact:	Immediately wash thoroughly with soap and water. If irritation persists, consult a physician. Avoid touching contaminated clothing.
Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. If irritation persists, consult a physician.

3.3. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

3.4. Indication of any immediate medical attention and special treatment needed

No data available.

4. Firefighting Measures

4.1. Extinguishing media

Water spray, carbon dioxide, dry chemical powder, or appropriate foam.

4.2. Special hazards arising from the substance or mixture

No data available.

4.3. Advice for firefighters

In the event of a fire, wear protective clothing and NIOSH-approved breathing apparatus necessary to prevent any possible irritation.

4.4. Further information

Pyrolysis will release corrosive iodine vapor

5. Accidental Release Measures

5.1. **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment: chemical resistant gloves. Keep unprotected persons away.

Environmental precautions

No data available.

5.2. **Methods and materials for containment and cleaning up**

Wipe up with a damp sponge or mop.

5.3. **Reference to other sections**

For disposal, see section 13.

6. Handling and Storage

6.1. **Precautions for safe handling**

Wear appropriate personal protective equipment.

6.2. **Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Store in a cool, dry place in accordance with specified storage conditions.

6.3. **Specific end uses**

Apart from uses mentioned in section 1.2, no other specific uses are stipulated.

7. Exposure Controls/Personal Protection

7.1. **Control parameters**

No data available.

7.2. **Appropriate engineering controls**

Safety shower and eye bath.

7.3. **Personal protective equipment**

Eye/Face:	Safety goggles, as needed
Skin:	Chemical resistant gloves, as needed
Respiratory:	None for normal use
Thermal Hazards:	None for normal use

8. Physical and Chemical Properties

8.1. **Information on basic physical and chemical properties**

Appearance:	Physical State: Color: An opaque purple solution
Odor:	odor of iodine
Odor Threshold:	Not Determined
pH:	Not Determined
Melting/Freezing Point:	Not Determined
Boiling Point:	100°C
Flash Point:	Not Determined
Evaporation Rate:	1
Flammability:	Not Determined
Explosion Limits:	Not Determined
Vapor Pressure:	18 @ 20°C
Vapor Density:	0.6
Density:	1.03 g/ml
Water Solubility:	Infinitely miscible with water

Partition coefficient (n-octanol/water):	Not Determined
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Determined
Viscosity:	Not Determined
Explosive Properties:	Not Determined
Oxidizing Properties:	Not Determined

8.2. Other safety information

No data available.

9. Stability and Reactivity

Reactivity	No data available.
Chemical stability	Freezes at low temperature.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	No data available.
Hazardous decomposition products	No dangerous decomposition products known.

10. Toxicological Information

10.1. Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity – single exposure	No data available
Specific target organ toxicity – repeated exposure	No data available
Aspiration Hazard	No data available
Additional information	No data available

11. Ecological Information

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

12. Disposal Considerations

12.1. Waste disposal

Dispose of in accordance with applicable state and federal regulations.

Disposal must be in accordance with regulations 40 CFR 261.

13. Transport Information

DOT hazard class	None
Shipping name	None
Identification number	None
Packing group	None

14. Regulations

Carcinogenicity	Yes/No
NTP:	No
IARC:	No
OSHA:	No
California Prop 65:	No
IATA:	No

15. Other Information

The above information, to the best of our knowledge, is accurate. Hardy Diagnostics assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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