

Safety Data Sheet

Gram Stain, Stabilized Iodine

Revision Date: 3/27/17

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier Trade name: Stabilized Iodine
Product code(s): 10143-178, 10143-256, 10143-258,
10143-180

1.2 Relevant identified uses Laboratory Reagent

Supplier: VWR International LLC
800-441-0366 Technical Service
Monday-Friday: 8:00 -5:00 PM

Synonym: None.
Material uses: Laboratory Reagent.
Validation date: 12/11/2013
In case of emergency: 800-424-9300 CHEMTREC (USA)
24 Hours/Day: 7 Days/Week

2. HAZARDS IDENTIFICATION

Emergency Overview:

GHS Label Elements: Pictogram



Signal Word: Warning!

Hazard statement(s):

H315: Causes skin irritation
H319: Causes serious eye irritation
H401: Toxic to aquatic life

Precautionary statement(s):

P280: wear protective gloves
P273: Avoid release to the environment
P264: Wash thoroughly after handling

NFPA Rating
Health hazard: 1
Fire: 1
Reactivity Hazard: 0

HMIS Classification
Health hazard: 1
Flammability: 1
Physical hazards: 0

Potential Health Effects : Inhalation - Causes respiratory tract irritation.
Skin - Causes skin irritation.
Eyes - Causes eye irritation.
Ingestion - Potentially toxic if swallowed in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Water	7732-18-5	~98
Povidone Iodine	25655-41-8	<12
Potassium Iodine	7681-11-0	<2

4. FIRST AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*

First-aid measures after skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

5. FIREFIGHTING MEASURES

Flammability of the product: Non-Flammable

Extinguishing media: Use suitable media for surrounding materials. Use water fog, avoid direct stream.

Special exposure hazards: Avoid contact with strong oxidizers

Hazardous thermal decomposition products: Decomposition products: carbon dioxide, carbon monoxide

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment for surroundings.

Explosion hazards: Not-applicable

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

Incompatible products: Strong oxidizers. Strong reducing agents.

Strong bases.

Incompatible materials: Sources of ignition. Direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

No additional information available

Personal protective equipment: Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or face shield.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask. Gas mask with filter type B.

Other information: Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.	Color:	
	Dark Brown		
Flash Point:	>93.3°C	Odor:	None
pH:	2.8	Boiling/condensation point:	NA
Melting/freezing point:	NA	Relative density:	
	NA		
Vapor pressure:	NA	Vapor density:	NA
Odor threshold:	NA	Evaporation rate:	NA
VOC:	NA	Solubility:	Soluble in the

following materials: water

10. STABILITY AND REACTIVITY

10.1. Reactivity

No further relevant information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

No established

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

Water (7732-18-5)

LD50 oral rat ≥ 90000 mg/kg

ATE US (oral) 90000.000 mg/kg body weight

Povidone Iodine (25655-41-8)

LD50 oral rat 1862 mg/kg

Potassium Iodine (7681-11-0)

LD50 oral mouse 8100 mg/kg

Skin corrosion/irritation: Not Classified

Serious eye damage/irritation: Not Classified

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not Classified

12. ECOLOGICAL INFORMATION

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13. DISPOSAL CONSIDERATIONS

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT (US)

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulation

This material does not contain one or more of the following chemicals required to be identified under SARA Sections 302/304, SARA Section 313, CERCLA, TSCA 12(b), and /or required an OSHA process safety plan.

SARA 311/312

Acute Health: No **Chronic Health:** No **Fire:** Yes, **Pressure:** No, **Reactive:** No

California Proposition 65

Not regulated under California Proposition 65

Canada WHMIS

WHMIS Classification

Uncontrolled product according to classification criteria

16. OTHER INFORMATION

National Fire Protection Association (U.S.A.)



Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall VWR International LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.