HealthLink®
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Joining Forces to Serve the Healthcare Community

CLOROX HEALTHCARE®

Safety Data Sheet

Lugol's Iodine, Concentrate

Revision Date: 02/06/18

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier Trade name: Lugol's Iodine Concentrate
Product code(s): 400353, 400354, 400355, 400357, 400359

1.2 Relevant Identified uses Laboratory Reagent

Supplier: HealthLink, Inc

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
- H317: May cause an allergic skin reaction
- H319: Causes serious eye irritation
- H401: Toxic to aquatic life

Precautionary statement(s):
- P264: Wash exposed skin thoroughly after handling
- P270: Do not eat, drink or smoke when using this product
- P280: Wear protective gloves/ eye protection/ face protection.
- P305+351+338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

NFPA Rating	HMIS Classification
Health hazard: 2	Health hazard: 2
Fire: 0	Flammability: 0
Reactivity Hazard: 0	Physical hazards: 0

Potential Health Effects : Inhalation – May cause respiratory tract irritation.

Skin - May cause skin irritation.

Eyes - May cause eye irritation.

Ingestion – Potentially toxic if swallowed in large quantities.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Potassium Iodide	7681-11-0	10
Iodine	7553-56-2	5
Water 7732-18-5	Balance	

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.

Symptoms/effects after inhalation: May cause an allergic skin reaction

Symptoms/effects after skin contact: Causes skin irritation

Symptoms/effects after eye contact: Causes serious eye irritation

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

8.1. Control parameters

Component	Source	Type	Value	Note
Iodine	ACGIH	TWA	0.1 mg/m3	
	ACGIH	TWA	0.01 ppm	
	OSHA	PEL (ceiling)	1 mg/m3	
	OSHA	PEL (ceiling)	0.1 ppm	
	IDLH	US IDLH	2 ppm	
	NIOSH	REL	1 mg/m3	
	NIOSH	REL	0.1 ppm	
Potassium Iodide	ACGIH	TWA	0.01 ppm	Inhalable fraction

8.2. Exposure controls
Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.	Color:	Amber
Flash Point:	NA	Odor:	Characteristic
pH:	NA	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
Direct Sunlight. Extremely high or low temperatures.
10.5. Incompatible materials
Metals, strong reducing agents, ammonia, strong bases
10.6. Hazardous decomposition products
Iodine vapor, potassium oxide

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Iodine (7553-56-3)

LD50 Oral Rat	14000 mg/kg
ATE US (oral)	14000 mg/kg body weight
ATE US (dermal)	220 mg/kg body weight

Skin Corrosion/irritation
Causes skin irritation
Serious eye damage/eye irritation
Causes serious eye irritation
Respiratory or skin sensitization
May cause an allergic skin reaction
Germ cell mutagenicity
No data available

12. ECOLOGICAL INFORMATION

Toxicity:
Iodine, Lugol's

EC50 Daphnia 1 4 mg/l

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

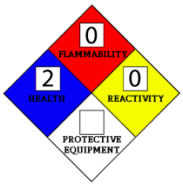
15. REGULATORY INFORMATION

15.1 US Federal Regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.
Iodine (7553-56-2): SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard and Delayed (Chronic) health hazard
Potassium Iodide (7681-11-0): SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard and Delayed (Chronic) health hazard

15.2 International regulations
Iodine (7553-56-2) and Potassium Iodide (7681-11-0)
Listed on the Canadians DSL (Domestic Substances List)
15.3 US State Regulations
California Proposition 65- This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

16. OTHER INFORMATION

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



Notice to reader
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