

Section 1-Chemical Product and Company Identification

Name: Lugol's Iodine per Standard Methods

Product Form: Mixture

Source: Made in-house at the City of Everett by EMC staff per Standard Methods 10-6

Intended Use: Zooplankton and phytoplankton preservation

Section 2- Hazards Identification

Pictograms



GHS07

**Signal Word: Warning: Causes skin irritation
Causes eye irritation**

GHS Classification

Health Hazards		
Skin corrosion/skin irritation	Category 2	H315
Eye irritation	Category 2A	H319
Skin Sensitization	Category 1	H317
Other		
Aquatic Acute	Category 2	H401

GHS Label Elements

Hazard Statements:

H315-Causes skin irritation

H317-May cause an allergic skin reaction

H319-Causes serious eye irritation

H401-Toxic to aquatic life

Precautionary Statements

P264- Wash exposed skin thoroughly after handling

P280- Wear protective gloves and eye protection

P302+P352-IF ON SKIN: Wash with plenty of soap and water

P332+P313-If skin irritation occurs: Get medical advice/attention
P362+364-Take off contaminated clothing and wash before reuse
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313-If eye irritation persists: Get medical advice/attention.
P273-Avoid release to the environment

Section 3- Composition, Information, Ingredients

Chemical Name	CAS #	Chemical Formula	Molecular Weight	Percent	Molarity	GHS-US classification
Acetic Acid	64-19-7	C ₂ H ₄ O ₂	60.05 g/mol	10% (v/v), 4.7% (wt)	1.74	
Iodine	7553-56-2	I ₂	253.81 g/mol	4.5% (wt)	0.2	
Potassium Iodide	7681-11-0	KI	166.01 g/mol	9.1% (wt)	0.6	
Water	7732-18-5	H ₂ O	18.00 g/mol	81.7% (wt)	N/A	Not Classified

Section 4-First Aid

IF ON SKIN: Wash with plenty of soap and water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention.

Section 4-Fire Fighting See attached SDSs from LabChem (Lugol's) and Wards Science and Rowley BIOCHEMICAL (Acetic Acid)

Section 6-Accidental Release Measures

Protective equipment: Safety glasses and gloves.
Absorb with sand, earth or vermiculite, sweep up and deposit in a sealed container or bag for disposal.
Prevent spillage from entering waterways.

Section 7-Handling and storage

Store in cool, dry, well-ventilated area away from heat and direct sunlight. Keep container closed when not in use.

Sections 8-16 See attached SDSs from LabChem, Wards Science and Rowley BIOCHEMICAL

Label:

Lugol's Solution



Warning

Causes skin irritation. Causes serious eye irritation.

May cause an allergic skin reaction

Toxic to aquatic life

Wear goggles and protective gloves. Wash exposed skin thoroughly after handling. Avoid release to the environment

First Aid:

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention.