

1.1. Product identifier	
Product form	: Mixture
Product name	: Iodine, 1.0N (0.5M)
Product code	: LC15661
1.2. Relevant identified uses of	f the substance or mixture and uses advised against
Use of the substance/mixture	: For laboratory and manufacturing use only.
1.3. Details of the supplier of the	he safety data sheet
Jackson's Pointe Commerce Park Buil Zelienople, PA 16063 - USA T 412-826-5230 - F 724-473-0647 info@labchem.com - www.labchem.co	ding 1000, 1010 Jackson's Pointe Court m
1.4. Emergency telephone num	nber
Emergency number	: CHEMTREC: 1-800-424-9300 or 011-703-527-3887
- 3 3	. CHEWINEC. 1-000-424-9500 01 011-705-527-5007
0,	
SECTION 2: Hazards identific 2.1. Classification of the substr	cation
SECTION 2: Hazards identified	cation
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SECTION 2: Hazards identified 2.1. Classification of the substract GHS-US classification Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317	cation
SECTION 2: Hazards identified 2.1. Classification of the substration GHS-US classification Acute Tox. 4 (Oral) H302 Skin Irrit. 2 H315 Eye Irrit. 2A H319 Skin Sens. 1 H317 Aquatic Acute 2 H401	cation

Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H401 - Toxic to aquatic life Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapours, spray P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P272 - Contaminated work clothing should not be allowed out of the workplace P273 - Avoid release to the environment P280 - Wear protective gloves, eye protection P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P330 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If skin irritation presists: Get medical advice/attention P342+P364 - Take off contaminated clothing and wash it before reuse P501 - Dispose of contents/container to comply with local, state and federal regulations 2.3. Other hazards Other hazards not contributing to the : None.	12/16/2013	EN (English)	Page 1
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H315 - Causes skin irritation H317 - May cause an allergic skin reaction H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation H401 - Toxic to aquatic life Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapours, spray P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P272 - Contaminated work clothing should not be allowed out of the workplace P273 - Avoid release to the environment P280 - Wear protective gloves, eye protection P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P302+P352 - IF ON SKIN: Wash with plenty of soap and water P303+P331 - If is wallowed, rinse mouth P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P33+P313 - If skin irritation or rash occurs: Get medical advice/attention P33+P313 - If skin irritation prisits: Get medical advice/attention P36+P364 - Take off contaminated clothing and wash it before reuse P501 - Dispose of contents/container to comply with local, state and federal regulations P301 - Dispose of contents/container to comply with local, state and federal regulations	Other hazards not contributing to the	: None.	
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May causes an allergic skin reaction H319 - Causes serious eye irritation H401 - Toxic to aquatic life Precautionary statements (GHS-US) : P261 - Avoid breathing mist, vapours, spray P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P272 - Contaminated work clothing should not be allowed out of the workplace P273 - Avoid release to the environment P280 - Wear protective gloves, eye protection P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P330 - If swallowed, rinse mouth P337+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse	2.3. Other hazards		
Signal word (GHS-US) : Warning Hazard statements (GHS-US) : H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation	Precautionary statements (GHS-US)	 P264 - Wash exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P272 - Contaminated work clothing should not be allowed out of the work P273 - Avoid release to the environment P280 - Wear protective gloves, eye protection P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physic P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 - If in eyes: Rinse cautiously with water for several mir lenses, if present and easy to do. Continue rinsing P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing and wash it before reuse 	cian if you feel unwell nutes. Remove contact
	e ()	: H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation	
	Signal word (GHS-US)	GHS07 : Warning	

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classification

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. **Substance**

Not applicable

Full text of H-phrases: see section 16

3.2. **Mixture**

Name	Product identifier	%	GHS-US classification
Water	(CAS No) 7732-18-5	61.91	Not classified
Potassium Iodide	(CAS No) 7681-11-0	25.38	Eye Irrit. 2B, H320
lodine	(CAS No) 7553-56-2	12.69	Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Acute 1, H400
Hydrochloric Acid, 37% w/w	(CAS No) 7647-01-0	0.02	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402

SECTION 4: First aid measures		
4.1. Description of 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	: Assure fresh air breathing. Allow the victim to rest.	
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.	

First-aid n	neasures after eye contact	:	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.
First-aid n	neasures after ingestion	:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor/physician if you feel unwell.
4.2.	Most important symptoms and effe	cts	, both acute and delayed
Symptoms	s/injuries after inhalation	:	May cause an allergic skin reaction.

Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

Symptoms/injuries after ingestion : Swallowing a small quantity of this material will result in serious health hazard.

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

Obtain medical assistance.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the sul	bstance or mixture
Fire hazard	: Not flammable.
Explosion hazard	: Not applicable.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental release measures			
6.1. Personal precautions, protective	Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel			
Protective equipment	: Safety glasses. Gloves.		
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. No	tify authorities if liquid enters sewers or public waters. Avoid release to the environment.		
6.3. Methods and material for contain	ment 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 person	See Heading 8. Exposure controls and personal protection.		
SECTION 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 vapour. Avoid breathing mist, vapours, spray.		
Hygiene measures	: Do not eat, drink or smoke when using this product. Wash exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.		
7.2. Conditions for safe storage, inclu	ding any incompatibilities		
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use.		
Incompatible products	: Strong reducing agents. Ammonia. Acetaldehyde. metals. Strong bases.		

- Incompatible products: Strong reducing agents. Ammonia.Incompatible products: Sources of ignition. Direct sunlight.
- 7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

lodine (7553-56-2)			
USA ACGIH	ACGIH TWA (mg/m ³)	0.1 mg/m ³ Inhalable fraction	
USA ACGIH	ACGIH TWA (ppm)	0.01 ppm Inhalable fraction	
USA ACGIH	ACGIH STEL (mg/m ³)	1 mg/m³	
USA ACGIH	ACGIH STEL (ppm)	0.1 ppm	
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	1 mg/m ³	
USA OSHA	OSHA PEL (Ceiling) (ppm)	0.1 ppm	

Potassium Iodide (7681-11-0)		
USA ACGIH	ACGIH TWA (ppm)	0.01 ppm Inhalable fraction
8.2. Exposure controls	<u>.</u>	
Appropriate engineering controls		d safety showers should be available in the immediate vicinity adequate general and local exhaust ventilation.
Personal protective equipment	: Avoid all unnecessary exposure.	
Hand protection	: Wear protective gloves.	
Eye protection	: Chemical goggles or safety glasses	κ.
Skin and body protection	: Wear suitable protective clothing.	
Respiratory protection	: Wear appropriate mask.	

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Other information

: Do not eat, drink or smoke during use.

Other information	: Do not eat, drink or smoke during use.	
SECTION 9: Physical and chemical	properties	
9.1. Information on basic physical and o		
Physical state	: Liquid	
Colour	: amber.	
Odour	: characteristic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Self ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Solubility	: Miscible with water.	
Log Pow	: No data available	
Log Kow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: Not applicable.	
Oxidising properties	: No data available.	
Explosive limits	: No data available	
9.2. Other information		
No additional information available		
SECTION 10: Stability and reactivity		
10.1. Reactivity		
No additional information available		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid Direct sublicht. Extremely high or low temperatures		
Direct sunlight. Extremely high or low temperatures.		
10.5. Incompatible materials		
metals. Strong reducing agents. Ammonia. Strong bases.		
10.6. Hazardous decomposition products		
lodine vapour. Potassium oxide. Hydrogen chloride.		
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity	: Harmful if swallowed.	
lodine, 1.0N (0.5M)		
LD50 oral rat	1734 mg/kg	

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lodine (7553-56-2)	
LD50 oral rat	14000 mg/kg
LD50 dermal rat	220 mg/kg
ATE (dermal)	1100.000 mg/kg bodyweight
ATE (dust,mist)	1.500 mg/l/4h
Water (7732-18-5)	
LD50 oral rat	≥ 90000 mg/kg
Hydrochloric Acid, 37% w/w (7647-01-0)	
LD50 oral rat	700 mg/kg
LD50 dermal rabbit	5010 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Hydrochloric Acid, 37% w/w (7647-01-0)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met. Harmful if swallowed.
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: Ecological information

Iodine, 1.0N (0.5M) EC50 Daphnia 1 1.58 mg/l Iodine (7553-56-2) I.7 mg/l LC50 fishes 1 0.2 mg/l EC50 Daphnia 1 0.2 mg/l Potassium Iodide (7681-11-0) LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance) LC50 fish 2 862 mg/l (Leuciscus idus; Pure substance) LC50 fish 2 862 mg/l (96 h; Gambusia affinis; Pure substance) LC50 fish 2 862 mg/l (22 h; Daphnia magna; Pure substance) LC50 fish 2 862 ppm (96 h; Gambusia affinis; Pure substance)	12.1. Toxicity	
EC50 Daphnia 1 1.58 mg/l Iodine (7553-56-2) I.7 mg/l IC50 fishes 1 0.2 mg/l Potassium lodide (7681-11-0) I.7 mg/l 20 h IC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) I.C50 fishes 1 IC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) IC50 Japhnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	Ecology - water	: Toxic to aquatic life.
Iodine (7553-56-2) LC50 fishes 1 1.7 mg/l EC50 Daphnia 1 0.2 mg/l Potassium Iodide (7681-11-0) LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	lodine, 1.0N (0.5M)	
LC50 fishes 1 1.7 mg/l EC50 Daphnia 1 0.2 mg/l Potassium lodide (7681-11-0) LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	EC50 Daphnia 1	1.58 mg/l
EC50 Daphnia 1 0.2 mg/l Potassium lodide (7681-11-0) 3200 mg/l 120 h LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) 282 mg/l (96 h; Gambusia affinis; Pure substance) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	lodine (7553-56-2)	
Potassium Iodide (7681-11-0) LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) Image: Comparison of the state of the	LC50 fishes 1	1.7 mg/l
LC50 fishes 1 3200 mg/l 120 h EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) 282 mg/l (96 h; Gambusia affinis; Pure substance) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	EC50 Daphnia 1	0.2 mg/l
EC50 Daphnia 1 2.7 mg/l 24 h Hydrochloric Acid, 37% w/w (7647-01-0) 282 mg/l (96 h; Gambusia affinis; Pure substance) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	Potassium lodide (7681-11-0)	
Hydrochloric Acid, 37% w/w (7647-01-0) LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	LC50 fishes 1	3200 mg/l 120 h
LC50 fishes 1 282 mg/l (96 h; Gambusia affinis; Pure substance) EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	EC50 Daphnia 1	2.7 mg/l 24 h
EC50 Daphnia 1 < 56 mg/l (72 h; Daphnia magna; Pure substance)	Hydrochloric Acid, 37% w/w (7647-01-0)	
LC50 fish 2 862 mg/l (Leuciscus idus; Pure substance) TLM fish 1 282 ppm (96 h; Gambusia affinis; Pure substance) 12.2. Persistence and degradability Iodine, 1.0N (0.5M) Persistence and degradability Not established. Iodine (7553-56-2)	LC50 fishes 1	282 mg/l (96 h; Gambusia affinis; Pure substance)
TLM fish 1 282 ppm (96 h; Gambusia affinis; Pure substance) 12.2. Persistence and degradability Iodine, 1.0N (0.5M) Persistence and degradability Not established. Iodine (7553-56-2)	EC50 Daphnia 1	< 56 mg/l (72 h; Daphnia magna; Pure substance)
12.2. Persistence and degradability Iodine, 1.0N (0.5M) Persistence and degradability Not established. Iodine (7553-56-2)	LC50 fish 2	862 mg/l (Leuciscus idus; Pure substance)
Iodine, 1.0N (0.5M) Not established. Persistence and degradability Not established. Iodine (7553-56-2) Iodine (7553-56-2)	TLM fish 1	282 ppm (96 h; Gambusia affinis; Pure substance)
Persistence and degradability Not established. Iodine (7553-56-2) Iodine (7553-56-2)	12.2. Persistence and degradability	
lodine (7553-56-2)	lodine, 1.0N (0.5M)	
	Persistence and degradability	Not established.
Persistence and degradability Not established.	lodine (7553-56-2)	
	Persistence and degradability	Not established.

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Cording to Federal Register / Vol. 77, No. 58 / Monda Potassium Iodide (7681-11-0)	
Persistence and degradability	Not established.
Water (7732-18-5)	Nisk seteblished
Persistence and degradability	Not established.
Hydrochloric Acid, 37% w/w (7647-01-0)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the components of the mixture available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD BOD (% of ThOD)	Not applicable Not applicable
2.3. Bioaccumulative potential	
lodine, 1.0N (0.5M)	
Bioaccumulative potential	Not established.
lodine (7553-56-2)	
Log Pow	2.49
Bioaccumulative potential	Not established.
Potassium Iodide (7681-11-0)	
Bioaccumulative potential	Not established.
Water (7732-18-5)	
Bioaccumulative potential	Not established.
·	
Hydrochloric Acid, 37% w/w (7647-01-0)	
Log Pow Bioaccumulative potential	0.25 (QSAR) Low potential for bioaccumulation (Log Kow < 4).
	Low potential for bioaccumulation (Log Now + 4).
12.4. Mobility in soil	
Hydrochloric Acid, 37% w/w (7647-01-0)	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
2.5. Other adverse effects	
Other information	: Avoid release to the environment.
SECTION 13: Disposal consideration	ns
3.1. Waste treatment methods	
Vaste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to comply with local, state and federal regulations.
Ecology - waste materials	: Avoid release to the environment.
	n
SECTION 14: Transport Information	
	•
n accordance with DOT	
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SECTION 14: Transport information In accordance with DOT No dangerous good in sense of transport regula Additional information Other information ADR Transport document description	ations
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In accordance with DOT No dangerous good in sense of transport regula Additional information Other information ADR	ations

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SECTION 15: Regulatory information	
15.1. US Federal regulations	
lodine (7553-56-2)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Potassium Iodide (7681-11-0)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard
Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
Hydrochloric Acid, 37% w/w (7647-01-0)	
Listed on the United States TSCA (Toxic Substan	nces Control Act) inventory
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb
SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
15.2. International regulations	
CANADA	
lodine, 1.0N (0.5M)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
lodine (7553-56-2)	
Listed on the Canadian DSL (Domestic Sustance	es List) inventory.
WHMIS Classification	Class E - Corrosive Material Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Potassium Iodide (7681-11-0)	
Listed on the Canadian DSL (Domestic Sustance	es List) inventory.

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Water (7732-18-5)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Hydrochloric Acid, 37% w/w (7647-01-0)	
Listed on the Canadian DSL (Domestic Sustances List) inventory.	
WHMIS Classification	Class E - Corrosive Material

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC or 1999/45/EC Not classified

15.2.2. National regulations

lodine (7553-56-2)	
Listed on the Canadian Ingredient Disclosure List	
Potassium Iodide (7681-11-0)	
Listed on the Canadian Ingredient Disclosure List	

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Hydrochloric Acid, 37% w/w (7647-01-0)

Listed on the Canadian Ingredient Disclosure List

15.3. US State regulations

No additional information available

Other information

: None.

Full text of H-phrases: see section 16:

tt of H-phrases: see section 16:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Acute 2	Hazardous to the aquatic environment — AcuteHazard, Category 2
Aquatic Acute 3	Hazardous to the aquatic environment — AcuteHazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life

NFPA health hazard	: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
NFPA fire hazard	: 0 - Materials that will not burn.
NFPA reactivity	: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.
HMIS III Rating	
Health	: 2 Moderate Hazard - Temporary or minor injury may occur

: 0 Minimal Hazard : 0 Minimal Hazard

HMIS III R	ating
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Health	
Flammability	
Physical	
Personal Protection	

SDS US (GHS HazCom 2012)

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Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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