



SAFETY DATA SHEET

Preparation Date: 05/06/2015 Revision Date: 05/06/2015 Revision Number: G1

Product identifier

Product code: 11015

Product Name: IODINE, RESUBLIMED, CRYSTAL, USP

Other means of identification

Synonyms: Actomar

Diiodine Eranol

IODE [French] Iodio [Italian] Vistarin 7553-56-2

CAS #: 7553-56-2
RTECS # NN1575000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Anti-infective agent. Catalyst. Antiseptic. Disinfectant. Bactericide. Fungicide.

Chemical intermediate.

Uses advised against No information available

Supplier: Spectrum Chemicals and Laboratory Products, Inc.

14422 South San Pedro St. Gardena, CA 90248 (310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone numberChemtrec 1-800-424-9300Contact Person:Martin LaBenz (West Coast)Contact Person:Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Gases)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

Label elements

Product code: I1015 **Product name:** IODINE, RESUBLIMED,

Danger

Hazard statements

Causes severe skin burns and eye damage

Harmful in contact with skin

Harmful if inhaled

May cause respiratory irritation

Causes damage to organs through prolonged or repeated exposure



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Precautionary Statements - Response

Specific measures (see .? on this label)

Immediately call a POISON CENTER or doctor/physician

Specific treatment (see .? on this label)

IF IN EYES: 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.

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Product code: 11015

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %	Trade Secret

Product name: IODINE, RESUBLIMED, CRYSTAL, USP

3. COMPOSITION/INFORMATION ON INGREDIENTS						
lodine	7553-56-2	100	*			
7553-56-2						

4. FIRST AID MEASURES

First aid measures

General Advice: Poison information centers in each State capital city can provide additional

assistance for scheduled poisons (13 1126).

Skin Contact: Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for

at least 15 minutes. Get medical attention immediately. Call a physician or Poison Control

Centre immediately.

Eye Contact: Flush eye with water for 15 minutes. Immediate medical attention is required. Call a physician

immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth

resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper

respiratory medical device. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an

unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms

Severe skin and eye irritation or burns. May affect the liver. It may affect the kidneys. It may affect the thyroid. May cause hyperthyroidism or hypothyroidism. Hypothyroidism may result in goiter. Irritating to respiratory system. Dyspnea (Shortness of breath and difficulty breathing). Coughing. May cause pulmonary edema. Central nervous system effects. May cause digestive (gastrointestinal) tract irritation. May cause abdominal pain, nausea, vomiting, diarrhea. Thirst. Staining of lips, mouth, esophagus. May cause metallic taste. May affect the cardiovascular system.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: The product is not flammable. If it is involved in a fire,

extinguish the fire using an agent suitable for the type of

surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: If it is involved in a fire, Hydrogen lodide can be released

Specific hazards: No information available.

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Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus

pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Use personal

protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Avoid

breathing dust. Do not touch damaged containers or spilled material unless wearing

appropriate protective clothing.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containmentStop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Prevent dust cloud.

Methods for cleaning upSweep up and shovel into suitable containers for disposal. Clean contaminated

surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Product code: 11015

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials. Remove all sources of ignition.

Safe Handling Advice:

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not breathe vapours/dust. Do not ingest. Keep away from combustible material. When using do not smoke. Use explosion-proof equipment. Use only in well-ventilated areas. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep away from heat and sources of ignition. Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible materials. Do not store near combustible materials. Store in a segrated and approved area.

Product name: IODINE, RESUBLIMED, 4 / 15

Incompatible Materials:

Oxidizing agents. Reducing agents. Metals. Incompatible with liquid chlorine, acetylene, hafnium powder, Tetraamine copper (II) sulfate + ethanol, acetaldehyde, ammonia, salt + ethanol, ammonium hydroxide, methyl alcohol, antimony powder, silver azide, lithium, potasssium, polyacetylene, sodium, phosphorous, bromine pentafluoride, fluorine, trioxygen difluoride, oxygen difluoride, magnesium, finely divided (powdered) metals, organic solvents, natural rubber goods, neoprene, plastics (ABS, Acetal (Delrin), CPVC, Epoxy, Polypropylene, NORYL, PPS (Ryton)), zinc, aluminum, alkali metals, sulphur, ammonia, ammonia + potassium, ammonium hydroxide, ammonia solutions,

Ammonia + Litium 1-heptynide, Bromine trifluoride, Bromine pentafluoride, Fluorine, Chlorine trifluoride, reducing agents, iron, ethanol + butadiene + mercuric oxide; ethanol + phosphorous; ethanol + methanol + HgO; foramide + pyrindine + sulfur trioxide; formamide; halogens or interhalogens; mercuric oxide; metal carbides; oxygen; pyridine; sodium hydride, metal acetylides (cesium, copper (I), lithium, rubidium), Dipropyl mercury, Titanium (above 113 C.), Cesium Oxide (above 150 C.), various metal acetylides (barium, calcium, strontium, zirconium), various metal carbides.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	OSHA	NIOSH	ACGIH	AIHA WHEEL
	0.1 ppm Ceiling	= 0.1 ppm Ceiling	= 0.1 ppm STEL aerosol	None
lodine - 7553-56-2	1 mg/m ³ Ceiling	= 1 mg/m ³ Ceiling	and vapor	

Canada

Components	Alberta	British Columbia	Ontario	Quebec
	= 0.1 ppm Ceiling	= 0.01 ppm TWA aerosol,	0.01 ppm TWA inhalable	0.1 ppm Ceiling
lodine - 7553-56-2	= 1 mg/m ³ Ceiling	inhalable, and vapour	fraction and vapor	1.0 mg/m ³ Ceiling

Australia and Mexico

Components	Australia	Mexico
lodine	None	= 0.1 ppm Peak
7553-56-2		= 1 mg/m³ Peak

Appropriate engineering controls

Engineering measures to reduce exposure: Use process enclosures, local exhaust ventilation, or other

engineering controls to keep airborne levels below

recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to

airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles.

Skin and body protection: Long sleeved clothing. Chemical resistant apron. Gloves.

Respiratory protection: Respirator with combination filter for vapor/particulate.. Be sure to use an

approved/certified respirator or equivalent...

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Product code: 11015

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Appearance: Color

Solid. Lustrous. Crystals. Dark purple. Violet. Bluish-black.

Grayish-black.

Odor: Taste Molecular/Formula weight:

Sharp. Characteristic. Sharp. acrid. 253.81 g/mol

Formula: Flash point (°C): Flashpoint (°C/°F):

No data available No information available.

Flash Point Tested according to: Lower Explosion Limit (%): Upper Explosion Limit (%): No information available

Lower Explosion Limit (%): No information available

Autoignition Temperature (°C/°F): pH: Melting point/range(°C/°F):

No information available 5.4 113.7°C/ 236.7°F

Boiling point/range(°C/°F): Decomposition temperature(°C/°F): Bulk density:

184.4°C/ 363.9°F No information available No information available

Specific gravity: Vapor pressure @ 20°C (kPa): Density (g/cm3): 4.93 0.04 @ 25 deg. C. No information available

Evaporation rate: Vapor density: VOC content (g/L):

No information available 8.8 No information available

Odor threshold (ppm): Partition coefficient Viscosity:

No information available (n-octanol/water): No information available

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9. PHYSICAL AND CHEMICAL PROPERTIES

Miscibility:

Solubility:

No information available

Practically insoluble in water Soluble in Carbon tetrachloride Soluble in Carbon Disulfide Soluble in Chloroform

Soluble in cycolohexane: 2.719 g Solubility in Carbon disulfide: 197g/kg @

25°C

Solubility in methanol: 23g/ 100 mL @

25°C

Solubility in alcohol: 20.5g/ 100 mL @

15°C

Solubility in ether: 20.6g/ 100 mL @

17°C

Solubility in Carbon tetrachloride: 19.2

g/kg @ 25°C

Solubility in Benzene: 164.0 g/kg @25°C Solubility in Ethanol: 27.1g/kg @ 25°C Solubility in n-hexane: 13.2 g/kg @ 25°C Solubility in butan-2-ol: 97 g/kg @ 25°C Solubility in ethyl acetate: 157g/kg @

25°C

Solubility in toluene: 182.5 g/kg @ 25 Solubility in chloroform: 49.7 g/kg @ 25 Solubility in bromoethane: 14.6 g/ 100g

@ 25

Solubility in n-heptane: 1.73g / 100g @

25

Solubility in glycerol: 9.7g / 100g @ 25 Solubility in diethyl ether: 33.7g/ 100g @

25

Solubility in carbon disulfide: 19.7g/ 100g

@ 25

10. STABILITY AND REACTIVITY

Reactivity

lodine reacts violently with Acetaldehyde, Dipropylmercury, Aluminum + and diethyl ether, Titanium (above 113 C.).

Ignition on contact with bromine, bromine pentafluoride,... chlorine trifluoride, ...metals (powdered) + water, aluminum-titanium alloys + heat, metal acetylides, ... nonmetals, ... sodium phosphinate.

Incandescent reaction with cesium oxide (above 150 deg C), bromine trifluoride, metal acetylides or carbides [e.g. barium acetylide (above 122 deg C), calcium acetylide (above 305 deg C), strontium acetylide (above 182 deg C), zirconium acetylide (above 400 degC)].

Magnesium burns vigorously when heated with iodine vapor.

lodine unites with fluorine at ordinary temperature with a luminous flame

Chemical stability

Product code: 11015

Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

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Incompatible Materials:

Oxidizing agents. Reducing agents. Metals. Incompatible with liquid chlorine, acetylene, hafnium powder, Tetraamine copper (II) sulfate + ethanol, acetaldehyde, ammonia, salt + ethanol, ammonium hydroxide, methyl alcohol, antimony powder, silver azide, lithium, potasssium, polyacetylene, sodium, phosphorous, bromine pentafluoride, fluorine, trioxygen difluoride, oxygen difluoride, magnesium, finely divided (powdered) metals, organic solvents, natural rubber goods, neoprene, plastics (ABS, Acetal (Delrin), CPVC, Epoxy, Polypropylene, NORYL, PPS (Ryton)), zinc, aluminum, alkali metals, sulphur, ammonia, ammonia + potassium, ammonium hydroxide, ammonia solutions.

Ammonia + Litium 1-heptynide, Bromine trifluoride, Bromine pentafluoride, Fluorine, Chlorine trifluoride, reducing agents, iron, ethanol + butadiene + mercuric oxide; ethanol + phosphorous; ethanol + methanol + HgO; foramide + pyrindine + sulfur trioxide; formamide; halogens or interhalogens; mercuric oxide; metal carbides; oxygen; pyridine; sodium hydride, metal acetylides (cesium, copper (I), lithium, rubidium), Dipropyl mercury, Titanium (above 113 C.), Cesium Oxide (above 150 C.), various metal acetylides (barium, calcium, strontium, zirconium), various metal

carbides.

Hazardous decomposition products: Hydrogen iodide. Iodine vapour.

Other Information

Corrosivity: Extremely corrosive in the presence of stainless steel (316)

Extremely corrosive in the presence of stainless steal (304)

Extremely corrosive in presence of copper

No corrosive effect on Aluminum No corrosive effect on Bronze

Special Remarks on Corrosivity: No corrosion data on brass

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure: Ingestion. Inhalation. Skin.

Acute Toxicity

Component Information

Iodine - 7553-56-2

LD50/oral/rat = 14 g/kg Oral LD50 Rat

LD50/oral/mouse = 1000 mg/kg (RTECS)

22000 mg/kg (Hazardous Substance Data Bank

LD50/dermal/rat = No information available

LD50/dermal/rabbit = No information available

LC50/inhalation/rat = No information available

LC50/inhalation/mouse = No infomation available

Other LD50 or LC50information = 10000 mg/kg LD50 Oral Rabbit

137 ppm 1h LCL inhalation Rat

Product Information

LD50/oral/rat =

VALUE- Acute Tox Oral = 14000mg/kg

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LD50/oral/mouse = Value - Acute Tox Oral = 1000mg/kg

LD50/dermal/rabbit

VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat

VALUE -Acute Tox Dermal = 14000mg/kg

LC50/inhalation/rat

VALUE-Vapor = No information available VALUE-Gas = No information available VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

Product code: 11015

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Corrosive. Causes skin irritation. Causes skin burns. It can cause brown stains on

the skin. It is corrosive and cause penetrating lesions.

Eye Contact: Causes severe eye irritation and possible burns. May cause conjunctivitis. Exposure

to vapor can cause burning sensation in the eyes, tearing, inflammation of the eye lids. Exposure to high concentrations of vapor may cause corneal damage (Dendritic

Keratitis in which the corneal epithelium is sloughed off).

Inhalation Low hazard during normal industrial handling. Excessive inhalation of iodine vapors

may cause respiratory tract, nasal, and mucous membrane irritation. Symptoms may include coughing, tightness in the chest, rhinitis, dyspnea/respiratory distress, coughing, sneezing, pulmonary edema, chemical pneumonitis, edema of the larynx and bronchi, pharyngitis, swelling of the parotid gland, and cachexia. High exposure may lead to lung disease and may also affect behavior/central nervous system

somnolence.

Ingestion Ingestion of large doses may cause irritation of mouth of the digestive tract with thirst,

nausea, vomiting, abdominal pain, hypermotility, and diarrhea, staining of mouth, esophagus, lips, mucous membranes, metallic taste, abdominal pain, fever. It may also affect the cardiovascular system (tachycardia, hypotension, cardiovascular

collapse), behavior/central nervous system(delirium, dizziness, headache,

(delirium, hallucination, depression, seizure, dizziness, headache, stupor,

hallucinations, seizures, depression, stupor, somnolence, muscle weakness). Death is rare following acute iodine ingestion. It is estimated that the mean lethal dose in an adult lies between 2 to 4 grams of free iodine. However, death from acute iodine poisoning may occur due to circulatory collapse, asphyxiation from glottic edema,

pulmonary edema, aspiration pneumonia, and cyanosis.

Aspiration hazard No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity May cause reddening of the skin, itching, acne-like erruption of the skin/skin rash,

and skin allergies.

Prolonged or repeated exposure may cause eye irritation and conjunctivitis.

Prolonged or repeated ingestion may cause a reversible reduction in thyroid function

(hypothyroidism), nodular goiter, hyperthyroidism, thyrotoxicosis, metabolic disturbances, and may affect the blood (anemia), liver, urinary system/kidneys (kidney damage, hematuria, albuminaria, anuria). Other symptoms of chronic iodine poisoning (lodism) may include fever, rapid heartbeat, tremor, headache, delirium, stupor, insomnia, salivation, weight loss/loss of appetite, salivation, stomatitis,

parotitis, diarrhea, gastric irritation, joint pain and swelling.

Prolonged or repeated inhalation may cause disrupted thyroid activity (see

ingestion), and chronic irritation of the throat, sneezing, nasal discharge, bronchitis,

laryngitis, asthma. It may also affect behavior (see ingestion). lodine concentrates in the Thyroid during chronic exposure.

Sensitization: No information available

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic

Components	ACGIH - Carcinogens	IARC	NTP	OSHA HCS - Carcinogens	Australia - Prohibited Carcinogenic Substances	Australia - Notifiable Carcinogenic Substances
lodine	A4 Not Classifiable as a Human Carcinogen	Not listed	Not listed	Not listed	Not listed	Not listed

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: May cause adverse developmental effects

Exposure to excessive amounts of iodine during pregnancy is capable of producing

fetal hypothyrodism, severe goiter or cretinism in the offspring

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure Respiratory Tract.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure if swallowed.

Thyroid.

Target Organs: Thyroid. Respiratory system. Skin. Eyes. Central nervous system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

Product code: 11015 Product name: IODINE, RESUBLIMED,

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series	RCRA - U Series Wastes
			Wastes	
lodine	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN3495
Proper Shipping Name: lodine
Hazard Class: 8
Subsidiary Risk: 6.1
Packing Group: III
ERG No: 154

Marine Pollutant No data available DOT RQ (lbs): No information available

Symbol(s): +

TDG (Canada)

UN-No: UN3495
Proper Shipping Name: Iodine
Hazard Class: 8
Subsidiary Risk: (6.1)
Packing Group: III

Description: No information available

ADR

UN-No: UN3495
Proper Shipping Name: Iodine
Hazard Class: 8
Packing Group: III
Subsidiary Risk: 6.1

Classification Code:

Description:

CEFIC Tremcard No:

No information available
No information available
No information available

IMO / IMDG

UN-No: UN3495
Proper Shipping Name: lodine
Hazard Class: 8
Subsidiary Risk: 6.1
Packing Group: III

Description:No information available **IMDG Page:**No information available

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14. TRANSPORT INFORMATION

Marine Pollutant No information available

EMS: F-A

MFAG: No information available Maximum Quantity: No information available

RID

UN-No: UN3495
Proper Shipping Name: Iodine
Hazard Class: 8
Subsidiary Risk: 6.1
Packing Group: III

Classification Code: No information available Description: No information available

ICAO

UN-No: UN3495
Proper Shipping Name: Iodine
Hazard Class: 8
Subsidiary Risk: 6.1
Packing Group: III

Description: No information available

IATA

UN-No: UN3495
Proper Shipping Name: lodine
Hazard Class: 8
Subsidiary Risk: 6.1
Packing Group: III
ERG Code: 8P

Description: No information available

15. REGULATORY INFORMATION

International Inventories

Components	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
lodine	Present	Present KE- 21023	Present	Not present	Present	Present	Present 231-442-4

U.S. Regulations

Iodine

Massachusetts RTK: Present

New Jersey RTK Hazardous Substance List: 1026

Pennsylvania RTK: Present

Minnesota - Hazardous Substance List: Present

California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	Carcinogen	Developmental Toxicity		Female Reproductive Toxicity:
lodine	Not Listed	Not Listed	Not Listed	Not Listed

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CERCLA/SARA

Components	CERCLA - Hazardous	Section 302 Extremely	Section 302 Extremely	Section 313 -	Section 313 - Reporting
_	Substances and their	Hazardous	Hazardous	Chemical Category	de minimis
	Reportable Quantities	Substances and TPQs	Substances and RQs		
lodine	None	None	None	None	None

U.S. TSCA

	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
lodine	Not Applicable	Not Applicable

Canada

WHMIS hazard class:

D2A Very toxic materials E Corrosive material

lodine

D2A E

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
lodine	1 %

Inventory

Components	Canada (DSL)	Canada (NDSL)
lodine	Present	Not Listed

Components	CEPA Schedule I - Toxic Substances	CEPA - 2010 Greenhouse Gases Subject to Manditory	
		Reporting	
lodine	Not listed	Not listed	

EU Classification

R-phrase(s)

R50 - Very toxic to aquatic organisms.

R20/21 - Harmful by inhalation and in contact with skin.

S -phrase(s)

S 2 - Keep out of the reach of children.

S23 - Do not breathe gas/fumes/vapor/spray.

S25 - Avoid contact with eyes.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Components	Classification	Concentration Limits:	Safety Phrases

Product code: I1015 Product name: IODINE, RESUBLIMED, 14 / 15

lodine	Xn; R20/21	No information	S2 S23 S25 S61
	N; R50		

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful.

N - Dangerous for the environment.





16. OTHER INFORMATION

Preparation Date:05/06/2015Revision Date:05/06/2015Prepared by:Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet