



## Safety Data Sheet

### 1) Identification of Material and Manufacturer

<b>Product Name</b>	Potassium Iodide
<b>Product Use(s)</b>	Food Supplement
<b>Manufacturer/Seller</b>	IodiTech Inc.
<b>Address</b>	951 N. Topping Ave., Kansas City, MO, 64120 U.S.A.
<b>Emergency Telephone</b>	Chemtrec 800.424.9300
<b>E-mail</b>	info@ioditech.com

### 2) Hazards Identification

- *This product is considered non-hazardous.*
- *Avoid contact with eyes. may cause irritation.*
- *Persons allergic to shellfish should not handle this product.*

<b>Chemical Name</b>	Potassium Iodide, KI
<b>Classification of Substance</b>	Non-Hazardous
<b>CAS</b>	7681-11-0
<b>OSHA PEL</b>	None Established
<b>ACGIH TLV</b>	None Established

### 3) Composition Information

<b>Ingredient</b>	<b>Concentration</b>
KI, Solid	90%-99% w/w

KI Crystalline

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#### 4) First Aid Measures

<b>Inhalation</b>	Move victim to fresh air. Seek medical attention if breathing is distressed.
<b>Skin Contact</b>	Wash exposed area thoroughly with soap and water. Seek medical attention if irritation persists.
<b>Eye Contact</b>	Immediately flush eyes with water, remove contacts if present, flush with water for another 10 minutes. Seek medical attention if irritation persists.
<b>Ingestion</b>	Promptly drink large quantities of water.

#### 5) Firefighting Measures

<b>Extinguishing Media</b>	Water, carbon dioxide, or foam
<b>Special Hazards</b>	May produce toxic iodine and potassium oxide fumes.
<b>Additional Information</b>	Firefighter should wear self-contained breathing apparatus, if possible.

#### 6) Accidental Release Measures

<b>In case of spill, leak, or release</b>	Follow all local, municipal, state, and federal guidelines, if in the United States of America. For all other countries, consult local, regional, or country regulations as applicable to a non-hazardous product.
<b>Method of waste disposal</b>	Follow all local, municipal, state, and federal guidelines, if in the United States of America. For all other countries, consult local, regional, or country regulations as applicable to a non-hazardous product.

- ***This material is non-hazardous.***
- ***Dry material may be placed in appropriate containers and disposed of in accordance with applicable governmental agencies for your location.***
- ***Remaining residues may be washed to drain if allowable by law.***

#### 7) Handling and Storage

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<ul style="list-style-type: none"> <li>• Store in cool, dry location</li> </ul>	<ul style="list-style-type: none"> <li>• Protect from heat, light, moisture</li> </ul>	<ul style="list-style-type: none"> <li>• Must use with adequate ventilation</li> </ul>
<ul style="list-style-type: none"> <li>• Chemical resistant gloves must be worn</li> </ul>	<ul style="list-style-type: none"> <li>• Safety glasses or goggles must be worn</li> </ul>	<ul style="list-style-type: none"> <li>• Wash hands thoroughly, immediately before and after use</li> </ul>
<ul style="list-style-type: none"> <li>• Wash with soap and water</li> </ul>	<ul style="list-style-type: none"> <li>• Do not use waterless hand cleaners</li> </ul>	<ul style="list-style-type: none"> <li>• Use good personal hygiene</li> </ul>

## 8) Exposure Controls and Personal Protection

<b>KI</b>	<b>OSHA PEL</b>	None Established
	<b>ACGIH TLV</b>	None Established

<b>Engineering Controls</b>	Use adequate ventilation from mechanical source to control airborne dust exposure.
<b>Personal Protection</b>	<ul style="list-style-type: none"> <li>• Wear a NIOSH/MSHA-approved respirator with a HEPA cartridge or equivalent.</li> <li>• Wear chemical resistant gloves based on nitrile, neoprene, or rubber construction.</li> <li>• Wear safety glasses with side shields, or goggles.</li> <li>• Wear body protection to avoid skin contact.</li> </ul>

## 9) Physical and Chemical Properties

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<b>Appearance</b>	White to off-white crystals or powder	<b>Flash Point</b>	Non-Flammable
<b>Odor</b>	Odorless	<b>Est. Explosive Range Limit</b>	LEL - Not Available UEL - Not Available
<b>Odor Threshold</b>	Not Applicable	<b>Flash Point Method Used</b>	Not Applicable
<b>pH</b>	6-9 (as solution)	<b>Partition Coefficient</b>	Not Available
<b>Melting Point</b>	Not Applicable	<b>Decomposition Temperature</b>	Not Applicable
<b>Boiling Point</b>	Not Applicable	<b>Viscosity</b>	Not Applicable
<b>Vapor Pressure</b>	Not Applicable	<b>Explosive Properties</b>	Not Explosive
<b>Evaporation Rate</b>	Not Applicable	<b>Oxidizing Properties</b>	Not an Oxidizer
<b>Solubility in Water</b>	58.5% w/w	<b>Other Information</b>	Contains Iodine

## 10) Stability and Reactivity Data

<b>Reactivity</b>	Stable
<b>Chemical Stability</b>	Stable
<b>Conditions to Avoid</b>	High heat and oxidizing agents
<b>Incompatibility</b>	High heat and oxidizing agents
<b>Hazardous Polymerization</b>	Will not occur
<b>Hazardous Decomposition</b>	May release iodine and potassium oxide fumes.

## 11) Toxicology Information

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KI	LD <sub>50</sub>	Not Established
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- *Not considered orally toxic except with extreme intake levels.*
- *Not considered a skin corrosive or irritant under normal exposure.*
- *After abnormal exposure levels, or prolonged exposure, skin may become irritated and demonstrate redness, pain, dryness and itching.*
- *May cause eye irritation as evidenced by pain, redness and tearing of eyes.*
- *May be irritating to respiratory tract under normal conditions.*
- *Avoid breathing dust.*
- *Increased nasal mucous membrane production and increased tears in eyes may occur upon breathing dust.*
- *Germ cell mutagenicity has not been conducted for this material.*
- *This product does not contain any known carcinogens.*
- *This product does not cause reproductive toxicity.*
- *Note: Persons allergic to shellfish should not handle this product.*

## 12) Ecological Information

<b>Toxicity</b>	Not toxic to environment under U.S. EPA regulations.
<b>Persistence/Degradation in Environment</b>	Expected to completely degrade under typical circumstances under U.S. EPA standards.
<b>Bioaccumulation</b>	Does not accumulate under U.S. EPA standards.
<b>Mobility in Soil</b>	Not studied.

## 13) Disposal

- *Under applicable U.S. Environmental Protection Agency regulations this material is not considered to be environmentally hazardous in regards to waste disposal.*
- *Follow all local, municipal, U.S. state, and U.S.federal regulations if in the United States of America.*
- *For other countries consult your local, area, or country regulatory authority as applicable to a non-hazardous product.*

## 14) Transportation and Shipping

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<b>Americas Region</b>	Not classified as hazardous by DoT for ground shipping
<b>Proper Shipping Name</b>	Not classified
<b>U.N. Number</b>	Not classified as hazardous
<b>International</b>	Follow U.N. recommendations on The Transport of Dangerous Goods, 17th edition, revised
<b>Ocean</b>	Follow IMO International Maritime Dangerous Goods Code
<b>Air</b>	Follow IATA Dangerous Goods Regulation

### 15) Regulatory Information

<b>CERCLA Sec. 103 RQ#</b>	NO	<b>EHS 302 TPQ</b>	NO
<b>RCRA Sec. 261.33</b>	NO	<b>TSCA Listed?</b>	NO
<b>SARA Sec. 261.33 RQ#</b>	NO	<b>EPA Special Hazard</b>	NO
<b>SARA 312 Name List</b>	NO	<b>CA Prop 65</b>	NO
<b>SARA 313 Name List</b>	NO	<b>REACH Listed?</b>	NO

<b>SARA Section 312 Hazardous Categories</b>	
<b>Immediate (acute) Health Hazard</b>	NO
<b>Delayed (chronic) Health Hazard</b>	NO
<b>Fire Hazard</b>	NO
<b>Reactivity Hazard</b>	NO
<b>Sudden Release of Pressure</b>	NO

### 16) Other Information

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***The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.***

**RESOURCES:**

- United States Environmental Protection Agency
- United States Occupational Health and Safety Administration
- United States Department of Transportation
- United State Drug Enforcement Administration
- United Nations “Transport of Dangerous Goods” 17<sup>th</sup> Edition, 2011
- International Maritime “Dangerous Goods Code”
- International Air Transportation Association “Dangerous Goods Regulation”

**TERMINOLOGY:**

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>RCRA</b>	Resource Conservation and Recovery Act
<b>CA</b>	State of California, U.S.A.	<b>REACH</b>	Registration, Evaluation, Authorization and Restriction of Chemicals
<b>CAS</b>	Chemical Abstract Services	<b>SARA</b>	Superfund And Reauthorization Act
<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act	<b>TLV</b>	Threshold Limit Value
<b>EHS</b>	Environmental Health and Safety	<b>TPQ</b>	Threshold Planning Quantity
<b>HEPA</b>	High Efficiency Particulate Air	<b>TSCA</b>	Toxic Substances Control Act
<b>LEL</b>	Lower Explosive Limit	<b>UEL</b>	Upper Explosive Limit
<b>LD<sub>50</sub></b>	Lethal dose for 50% of population	<b>UN</b>	United Nations
<b>MSHA</b>	Mine Safety Health Administration	<b>IATA</b>	International Air Transport Association
<b>NIOSH</b>	National Institute of Occupational Safety and Health	<b>EPA</b>	Environmental Protection Agency
<b>OSHA</b>	Occupational Safety and Health Administration	<b>DoT</b>	Department of Transportation
<b>PEL</b>	Permissible Exposure Limits	<b>IMO</b>	International Maritime Organization