



HAZTECH
SYSTEMS,TM
INC.

Material Safety Data Sheet

NFPA



HMIS

Health Hazard	2
Fire Hazard	0
Reactivity	0



PPE (See Section 15)

Section 1. Chemical Product and Company Identification

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Trade Name	Arsenic Test 3	Part #	RE2010
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	CAS #	7681-11-0
Commercial Name	Potassium iodide	RTECS	TT2975000
Synonyms		TSCA	TSCA8(b) inventory: potassium iodide
Chemical Formula	KI	CI #	

Supplier
Spectrum Chemical Mfg. Corp.
14422 S. San Pedro St.
Gardena, CA 90248

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Section 2. Composition and Information on Ingredients

Exposure Limits

Name	CAS #	TWA (mg/m ³)	STEL	CEIL (mg/m ³)	% by Weight
Potassium Iodide	7681-11-0				100%

Toxicological Data on Ingredients
Potassium Iodide LD50: Not available. LC50: Not available.

Section 3. Hazards Identification

Potential Acute Health Effects
Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.

Potential Chronic Health Effects
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: PROVEN
The substance is toxic to lungs, the nervous system, the reproductive system, mucous membranes, gastrointestinal tract, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.



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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Section 5. Fire and Explosion Data

Flammability	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Point	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not applicable.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not applicable.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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Section 7. Handling and Storage

Precautions	Do not breathe dust. Avoid contact with eyes. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, metals, acids.
Storage	Keep in HazCat Kit.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.



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Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid. (Deliquescent crystals solid.)	Volatility	Not available
Molecular Weight	166 g/mole	Odor Threshold	Not available
pH (1% Solution in Water)	7 (Neutral)	Water/Oil Dist. Coeff.	Not available
Boiling Point	1330°C (2426°F)	Ionicity (in Water)	Not available
Melting Point	681°C (1257.8°F)	Dispersion Properties	Not available
Critical Temperature	Not available.	Solubility	Easily soluble in cold water, hot water. Partially soluble in methanol, acetone.
Specific Gravity	3.1 (Water = 1)	Odor	Odorless.
Vapor Pressure	Not available	Taste	Bitter. Saline. (Strong.)
Vapor Density	Not available	Color	White

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Highly corrosive in presence of aluminum, of zinc, of copper. Corrosive in presence of steel.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Highly reactive with oxidizing agents, acids. Reactive with metals.		

Section 11. Toxicological Information

Route of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	DEVELOPMENTAL TOXICITY: PROVEN The substance is toxic to lungs, the nervous system, the reproductive system, mucous membranes, gastrointestinal tract, upper respiratory tract.
Other Toxic Effects on Humans	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation	Not available.

**Section 13. Disposal Considerations**

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Potassium Iodide

California Proposition 65 Warnings California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Potassium Iodide

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC) R36- Irritating to eyes.

Section 16. Other Information

Part Number(s) RE2010

References Not available.

Other Special Considerations Not available.

Validated by R. Turkington

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) 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 MSDS. 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 MSDS is based on technical data judged to be reliable, Haztech Systems, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.