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SYSTEM INC.	$\frac{\overline{MS},}{3}$ NFPA	HMISHealth Hazard3Fire Hazard0Reactivity0	PPE (See Section 15)	
Section 1. Cher	nical Product and Company	Identification		
Trade Name	Flour Test	Part #	RE2034	
		CAS #	7553-56-2 / 7681-11-0	
Manufacturer	HazTech Systems, Inc. PO Box 929	RTECS	NN1575000 / TT2975000	
<i>c</i>	Mariposa, CA 95338	TSCA	TSCA 8(b) inventory: Iodine	
Commercial Name	Potassium iodide		Potassium iodide	
Synonyms		CI #		
			of emergency contact CHEMTREC rs) at 800-424-9300	
Chamitael Fermula	10 1/1	HazTecl	h Systems, Inc. 800-543-5487	
Chemical Formula	12, KI	Spectru	Spectrum Chemical Mfg. Corp. 310-516-8000	
Supplier	Spectrum Chemical Mfg. Corp.			
	14422 S. San Pedro St. Gardena, CA 90248	L		
Section 2. Com	position and Information or	1 Ingredients		

*		0			
	Exposure Limits				
Name	CAS #	TWA (mg/m3)	STEL	CEIL (mg/m3)	% by Weight
Iodine Potassium Iodide	7553-56-2 7681-11-0			0.1	<1% 3%
Toxicological Data on Ingredients) 50): Acute: 14000 mg D50: Not available. LO			

Section 3. Hazards Identification

Potential Acute	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of
Health Effects	ingestion, of inhalation. The amount of tissue damage depends on length of contact. Eye contact can result in
	corneal damage or blindness. Skin contact can produce inflammation and blistering. Inflammation of
	the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling,
	reddening, or, occasionally, blistering.
Potential Chronic	Hazardous in case of skin contact (corrosive, irritant, sensitizer, permeator), of eye contact (irritant), of
Health Effects	ingestion, of inhalation.
	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.
	TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Proven.
	The substance is toxic to lungsthe nervous system, the reproductive system, mucous membranes,
	gastrointestinal tract, upper respiratory tract.
	Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the
	eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction,
	or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.
	Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

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Section 4. First A	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. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Section 5. Fire and Explosion Data

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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	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Section 7.	Handling and Storage
Precautions	If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes
Storage	Keep in HazCat Kit.
Section 8.	Exposure Controls/Personal Protection
Engineering C	Controls Use in a well ventilated area.
Personal Prote	ection Gloves and goggles.

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Section 9. Physical and C	hemical Properties			
Physical State and Appearance	Liquid		Volatility	Not available
Molecular Weight	Not available		Odor Threshold	Not available
pH (1% Solution in Water)	7 (Neutral).		Water/Oil Dist. Coeff.	Not available
Boiling Point	Not available		Ionicity (in Water)	Not available
Melting Point	Not available		Dispersion Properties	Not available
Critical Temperature	Not available		Solubility	Water
Specific Gravity	Not available		Odor	Not available.
Vapor Pressure	Not available		Taste	Not available
Vapor Density	Not available		Color	Yellow
Section 10. Stability and	d Reactivity Data			
Stability	Product is stable.		Corrosivity	Corrosive with some metals.
Instability Temperature	Not available.		Special Remar	
Conditions of Instability	Not available.		on Corrosivity Polymerization	
Incompatability with Various Substances	Not available.		rotymenzation	
Section 11. Toxicological	Information			
Route of Entry		Eye contact. In	halation. Ingestion.	
Toxicity to Animals		Iodine: Acute oral toxicity (LD50): 14000 mg/kg (Rat). Potassium iodide: LD50: Not available. LC50: Not available. DEVELOPMENTAL TOXICITY: PROVEN		
Chronic Effects on Humans				
Other Toxic Effects on Humans		The substance is toxic to lungs, the nervous system, the reproductive system, mucous membranes, gastrointestinal tract, upper respiratory tract. Not available.		
Special Remarks on Toxicity to Animals Special Remarks on Chronic Effects on Humans Special Remarks on Other Toxic Effects on Humans		Not available. Not available. 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,		
Toxicity of the Products of Biodegradation		long term degradation products mayarise. The products of degradation are more toxic.		
Special Remarks on the Products of Biodegradation		Contains biode	gradable surfactans.	



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Section 13. Disposal Conside	erations		
Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities.		
Section 14. Transport Inform	ation		
DOT Classification Non-regula	n-regulated.		
Identification Non-regula	ted.		
Special Provisions Not applica for Transport	ble.		
Section 15. Other Regulatory	y Information and Pictograms		
Federal and State Regulations	Pennsylvania RTK: Iodine Massachusetts RTK: Iodine TSCA 8(b) inventory: Iodine		
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 C: Oxidizing material. CLASS D-2A: Material causing other toxic effects (VERY TOXIC).		
	DSCL (EEC) R35- Causes severe burns. R43- May cause sensitization by skin contact. R36- Irritating to eyes.		

Section 16. Other Information

Part Number(s)	RE2034
References	Not available.
Other Special Considerations	Not available.
Validated by	R. Houghton 10/9/02
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.