

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.\$. Department of Labor

Occupational Safety and Health Administration (Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

			NO. 1218-00/2				
IDENTITY (as Used on Label and List) Iodine, PVP			Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.				
Section I	Service Control of the Control of Service of Action (Control of Action	PORT MET 1971 STOCKE AND PROTECTION OF PROTECTION AND PORT OF A STOCKE AND PORT OF A STOCKE AND	Anna and An Anna and Anna and An	e parties (1990 tente para de Novació d'Ultres y experienciados estantiva (1914), presentante de la constanta de la companya (1914), presentante de la compa			
Manufacturer's name Western Chemical			Emergency Telephone Number 1-800-424-9300 Chemitrec				
Address (Number, Street, City, State and ZIP Code)			Telephone Number for Information 1-360-384-5898				
1269 Lattimore Road			^{nepared} 6/17/05	11 .			
Ferndale, WA 98248	***************************************	Signati	Signature of Preparer (optional)				
Section II—Hazardous Ingredie	nts/Identity Information						
Hazardous Components (Specific Cine	emical Identity, Common Name	e(s)) OSHA	PEL ACGIHITLY F	Other Limits Recommended % (optional)			
PolyVinylpyrrolidone complex	CAS 25655-41-8	No	t established	10.0%			
Section III—Physical/Chemical Characteristics							
Boiling Point	130°C	Specifi	c Gravity (H ₂ 0 = 1)	Approx 1.10 @			
Vacor Pressure (mm Hg)		Malting	. Poloi	60F			
Vapor Density (AIR = 1)	N/A	Melling Point		N/A			
	N/A	Evapor	ation Rate (Butyl Acetate = 1)	Slower			
Appearance and Odor Brown-Bla	ck Liquid Slightly lod	ine odor					
Section IV-Fire and Explosion	Hazard Data						
Flash Point (Mathod Used) > 100	degrees C	Flamm	able Limits LEL UNK	UEL UNK			
Extinguishing Media Use Water	er Fog, Foam, or Dr	y Chemical	Extinguishing Media.				
Special Fire Fighting Procedures Fire fighters should use positive-pressure self-contained breathing apparatus.							
(SCBA)	<u> </u>						
Unusual Fire and Explosion Hazards	Adequate ventilat	ion and cle	anliness must be ma	aintained.			
(Reproduce locally)				OSHA 174 Sept. 1995			
Section V-Reactivity Data							
Stability	Unstable		Conditions to Avoid				
,	Statue	X	N/A				
Incompatibility (Materials to Avoid)			A-2				
Hazardous Decomposition or Byprodu	CUS		**************************************				
Hazardous Polymerization	May Occur	•	Conditions to Avoid				
	Will Not Occur	X	N/A				

The burden of safe use of our materials must rest entirely with the user. We cannot assume responsibility for the completeness or accuracy of any information supplied by us concerning the hazards and recommended use of the chemicals.

| Iodine, PVP | page | 1 | of 2

Section VI- Route(s) of E	-Health Hazard O	·····		Yag		
	•	Inhalation? Yes	Skin?		Ingestion? Yes	
Health Hazard	ds (Acute and Chroni	O Acute overexposure may	occur if e	xcessive amoun	ts are absorbed through	
broken s	kin, burns, or	deep wounds. This prod	luct is gen	erally accepted a	as safe for use as an	
		lymptoms of over exposi cidosis have been report			amounts of sodium in the	
					ium juume levels.	
	0/	rerexposure to PVP-I ma	ay cause h	ypernyroidism		
Cardnogenic	IIV A.I.	NTP7 No	IARCI	lonographs? No	OSHA Regulated? No.	
	No No	NO	W-11400 (1	lonographs? No	OSHA Regulated? No	
Signs and Svi	mptoms of Exposure	Dain an imitation to accom			A solumes	
		Pain or irritation to eyes	s, mucous	memoranes, ski	n or lungs.	
Medical Cond	žtiona					
	gravated by Exposure	Unknown				
Emergency ar	nd First Ald Procedur	es <u>Inhalation:</u> Remove imme	diately to fre	sh air. If not breath	ing, give artificial respiration,	
preferably	mouth to mouth.	If breathing is difficult, give o	oxygen. Cal	a physician.		
Skin Conta	act: Rinse conta	ninated area of skin with 5 %	sodium thio	sulfate. If this is not	available, wash with soap and	
***************************************		ensult physician. Thoroughly			•	
		nk large quantities of milk and		_		
	-	• ,	-	` - '	ately to hospital or physician. DO	
	•	, ,			atery to trooping or physiciant. DO	
		NYTHING BY MOUTH TO A				
		ater for at least 15 minutes, lif	iting lower a	nd upper eyelids. Ol	otain medical attention	
immediately after water flushing.						
		,				
Section VII	-Precautions for	Safe Handling and Use				
			in the soil	. Do not allow to	flow into water supplies.	
		spilled material or neutra	alize with :	odium thiosulfat	e .	
		se of according to local,				
······································						
Preceutions to	o Be Teken in Handlij	ng and Storting Follow label in	structions	;,		
		**************************************		•		
Other Presautions Harmful if swallowed. Keep out of reach of children.						
,,,,						
	i—Control Measu		*		,	
Respiratory P	rotection (Specify Ty	^{∞)} Full or half face respir	ator with	organic vapor pro	otection cartridges.	
Ventilation	Local Exhaust U	se local exhaust		Special None		
	Mechanical (Gene			Other None		
Projective Glo	ves Nalgene		Eye Pri		Eye protection Goggles	
Ötter Project	ive Clothing or Equip		nd boots :			
Work/Hygieni	c Practices Wach					
Work/Hygienic Practices Wash off any product immediately. Protect environment.						

The burden of safe use of our materials must rest entirely with the user. We cannot assume responsibility for the completeness or accuracy of any information supplied by us concerning the hazards and recommended use of the chemicals. $Iodine, PVP \quad page \ 2 \quad of \ 2$

	· · · · · · · · · · · · · · · · · · ·				,		
1		S	ECTION	V - HEA	LTH HAZARD D	ATA	
THRESHOLD LI	MIT VAL	JE	UK				
EFFECTS OF OV	EREXPO				31		
		Pos	sible s	kin and	eye irritation	1	·
EMERGENCY AN	O FIRST		JAES				
with pl	Lenty o	of water.	Consul	- wash t	vith soap & wat	er. Eyes - flus - give large am	h
					nediately.	L - give large am	ounts .
			- Puyor	CIAH IIII	ledracery.		<u>·</u>
	•		SECTIO	N VI - R	EACTIVITY DAT	A	
STABILITY	UNS	TABLE .		CONDITION	IS TO AVOID		
	STAI	BLE	x	· · · · · · · · · · · · · · · · · · ·			
INCOMPATABILI	TY (Mater	ials to avoid)	- is it				
HAZARDOUS DE	COMPOSI	TION PRODUC	TS -	dine Vap			·
1107.0		MAY OCCUR		ALTHE VAL	CONDITIONS TO AVOID		
HAZARDOUS POLYMERIZATIO		WILL NOT O		X			
	·				<u> </u>		
			·	<u> </u>	•		
		SECTI	ON VII	- SPILL C	OR LEAK PROCE	DURES	· · · · · · · · · · · · · · · · · · ·
STEPS TO BE TAP	CEN IN C.	ASE MATERIA	L IS RELE	ASED OR S	PILLED		
•.		Flush with	water				<u> </u>
• .							
WASTE DISPOSAL	METHO	Flush	neutra	lized us	eta doin dest		
			absorbe		ste down drain	or pick up	
						• .	<u> </u>
•		SECTION V	III - SP	ECIAL PF	ROTECTION INFO	DRMATION	
ESPIRATORY FR	отсетіо	N (Specify type	:)	•			•
ENTILATION	LOCAL	EXHAUST	N/A		SF	ECIAL	
	 		a varrap	le, if-r	oc open	N/A	

•	SECTION VIII - SPE	CIAL PROTECTION	INFORMATION	
RESPIRATORY P	ROTECTION (Specify type) N/A			:
VENTILATION	If available, if not open		SPECIAL N/A	·
<u> </u>	MECHANICAL (General) door	s or windows	OTHER	
PROTECTIVE GLO	rubber	EYE PROTECT	Protective goggles	
OTHER PROTECTI	VE EQUIPMENT AS	needed		

-	SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN	Store away from heat. Mix only	
	Do not reuse empty container.	
OTHER PRECAI	Harmful if swallowed. Keep out of reach of chi	ldren.

PAGE (2)



FAX

Toll Free:

800 283-5292

Phone:

360 384-5898

Fax:

360 384-0270

From: Jim Garnett

Date: August 25, 2005

QC Officer

Jimg@wchemical.com

To:

Cathy W.

Aquatic Eco-Systems, INC.

Pages: 3 including cover

Phone:

Subject: PVP-I MSDS

Fax:

1-407-886-6787

Comments: Here is the proper MSDS. Call me back if you need anything else or have questions.

Jim Garnett

1269 Lattimore Road Ferndale, WA 98248