	c			Threehold I imited Value			
P O Box 92912 P O Box 92912 Rochester, NY 14692	iment,		MSDS No.		-	None assigned to any component in this series of solutions. (ACGIH 1992-93).	cial Urine
716-359-2502 SECTION I	San Luis Obisi NAME	San Luis Obispo, CA 93403-5010 Effective Date	e Date June 14, 2000 VCY ASSISTANCE	Effects of Overexposure		Low toxicity, the toxicological properties of this product have not been thoroughly investigated. Exercise appropriate procedures to minimize	uct have not been idures to minimize
-	SIMULATED URINE SAMPLE #1	CHEN	CHEMTREC		potential hazards.		
Chemical Synonyms N/A		800-42	800-424-9300 nearin 1	Emergency and			
Formula Mixture.	ure.	NEDA	Reactivity	First Aid Procedures	INGESTION: If swallo	INGESTION: If swallowed, if conscious, give one or two glasses of water to	r two glasses of water to
Unit Size 250 mL	mL	HAZARD RATING	* SIMH		an unconscious persor	an unconscious person. SKIN: Flush with water, then wash with mild soap	en wash with mild soap
C.A.S. No. Mixture.	ure. See Section II.	0 1	ð		eyelids occasionally. I	and water. EYES: Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention.	ng upper and lower s, get medical attention,
SECTION II	INGREDIENTS OF MIXTURES	DF MIXTURES					
Principal Component(s)	iponent(s)	%	TLV Units	SECTION VI	REACTIVITY DATA	A	のないのです。
Glucose: CAS Benzoic acid: (Glucose: CAS No. 50-99-7 Benzoic acid: CAS No. 65-85-0	1.00%	None established.	e	Conditions to Avoid		Hich temperature and heat
Hydrochloric ac Food coloring:	Hydrochloric acid: CAS No. 7647-01-0 Food coloring: CAS No. FDC Yallow	<0.001%	None established.	Incomnatibility		<i>b</i>	
Odorant Distilled water:	Odorant Distilled water: CAS No. 7732-18-5	<0.001% 40.001%	None established.	(pio/	Strong oxidizers.		
LOW HAZARD		2000		Hazardous	-	When heated to decomposition may emit carbon dioxide and/or carbon	dioxide and/or carbon
SECTION III	PHYSICAL DATA	A		Decomposition Products		n (U) will yield a very small an	to satisfy of the second s
Melting Point (°F)	Freez	Specific Gravity $(H_2O = 1)$	Approx. 1.0	Polyn	Conditions to Avoid	oid	
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	Approx. 99%	May Occur Will Not Occur	5	Not applicable.	ole.
Vapor Pressure (mm Hg)	mm Hg) 14 mm (water)	Evaporation Rate (Ether =1)	Greater than 1.	SECTION VII	SPILL OR LEAK PROCEDURES	PROCEDURES	
Vapor Density (Air=1)				Steps to be taken in case	1.00		
Solubility in Water	-			material is released or spilled		Flush the aqueous solution down drain with plenty of water.	with plenty of water.
Appearance & Odor	for Clear, yellow color, water like liquid; no odor,	iquid; no odor,					
SECTION IV	FIRE AND EXPL	FIRE AND EXPLOSION HAZARD DATA	ATA	Waste Disposal Method	Discharge, treatment, or dispos	Discharge, treatment, or disposal may be subject to Federal, State or Local laws.	e or Local laws.
Flash Point (Method Used) N	Non-flammable liquid. % by Volume	% by Volume N/A N/A Volume	ower Upper		Flush the aqueous solution	Flush the aqueous solution down drain with plenty of water.	-size quantities only. Pr
Extinguisher U	Use any media suitable for extinguishing supporting fire.	upporting fire.		SECTION VIII	SPECIAL PROTEC	SPECIAL PROTECTION INFORMATION	
				_	needed in normal laboratory	None needed in normal laboratory handling. If misty conditions prevail, work in	prevail, work in
PROCEDURES	GHTING			cal Ex	tion hood or wear a NIOSH/N None needed.	MSHA-approved respirator.	No.
	If involved in fire situ:	TOCHANNOCHAN	unroved self-contained		None needed.	Other	No.
	breathing apparatus	breathing apparatus and full protective clothing.		Protective Gloves	Rubber.	Eye Protection Ch	Chemical safety glasses.
						ber gloves.	
				SECTION IX	SPECIAL PRECAUTIONS	UTIONS	
UNUSUAL FIRE AND EXPLOSION HAZARDS	-	In fire conditions resultion in the evenciation of the water of	water of	Precautions to be Taken in Handling & Storing Keep container tightly closed when not in use.	Store in a cool place.	Store in a cool place. Wash thoroughly after handling.	ing.
	solution hazardous d	solution hazardous decomposition products may be produced as	e produced as	Other Precautions Read lab	el on container before using. Do not we	Reed tabel on container before using. Do not wear contact lenses when working with chemicals	nicals.
					Avoid contact with skin, eyes and mucous Remove and wash contaminated clothing.	Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.	nes.
				For taboratory use only. Not for drug, food or household use. Keep out of reach of children. Revision No. 1 [Data station] Amoroviced Michael Been	and or household use. Keep out of	cio	afety
D.O.T. NOI	NON-REGILIATED				nonoiddul note		Coordinator IVIT

		solution nazaroous decomposition products may be produced as dust or fume.	In fire conditions resulting in the evaporation of the water of	UNUSUAL FIRE AND EXPLOSION HAZARDS			If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.	PHOGEDURES	SPECIAL FIREFIGHTING	Media Use any meura sunacie ici aximguisiming supporting me.	uisher	(Method Used) Non-flammable liquid. Hammable Limits in Air Lower N/A	VI NOI	Ÿ	-	Vapor Density (Air=1) 0.7 (water)	her =1)	Boiling Point (°F) Approx, 100°C (212°F) Percent Volatile App	$(H_2O = 1)$	SECTION III PHYSICAL DATA		<pre>>0.001%</pre>	<0.001%	1	%	SECTION II INGREDIENTS OF MIXTURES	C.A.S. No. Mixture. See Section II. 0 1 2	Unit Size 250 mL HAZARD RATING	Formula Mixture.	Chemical N/A Synonyms N/A	t SIMULATED URINE SAMPLE #2	SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE	815 Flero Lane San Luis Obispo, CA 93403-5010	
Revision No. 1 Date	For laboratory use only. Not for drug	Other Precautions	Other Broosttiene	Precautions to be Taken in Handling & Storing	SECTION IX			Ventilation	Local Ex	otection		Upper			material is released or spilled	Steps to be taken in case	Greater than 1. SECTION VII	+	Approx. 1.0 May Occur Will Not Occur	Decomposition Products	1		None established. Incompatibility	None established. Stability Stable	SECTIO		ω		Reactivity	Fire 0 Emergency		ASSISTANCE	June 14, 2000 Effects of Overexposure	Threshold Limited Value
Revision No. 1 Date 6/14/00 Approved · Michael Raszeja Commission MR	For laboratory use only. Not for drug, food or household use. Keep out of reach of children.	Avoid contact with skin, eyes and mucous membranes Remove and wash contaminated clothing.	Pead label on container before using. Do not wear contact lenses when working with chemicals	Store in a cool place. Wash thoroughly after handling.	SPECIAL PRECAUTIONS	Lab coat, apron, eye wash station, proper gloves.	Rubber. Eye Protection Chemical safety glasses.	neral) None needed.	ation hood or wear a NIOSH/ None needed.	None needed in normal laboratory handling. If misty conditions prevail, work in	SPECIAL BROTECTION INFORMATIC	Flush the aqueous solution down drain with plenty of water	d Discharge, treatment, or disposal may be subject to Federal. State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.		Flush the aqueous solution down drain with plenty of water.	ase	SPILL OR LEAK PROCEDURES	Not applicable	Conditions to Avoid	>	When heated to decomposition may emit carbon dioxide and/or carbon monoxide. Solution (C) will yield a very small amount of oxides of	strong oxidizers.		X High temperature and heat	REACTIVITY DATA		eyelids occasionally. If irritation develops or persists, get medical attention.	an unconscious person. SKIN: Flush with water, then wash with mild soap and water. EYES: Flush thorouchly with water, lifting upper and lower	L	-		thoroughly investigated. Exercise appropriate procedures to minimize notential hazards.		None assigned to any component in this series of solutions. (ACGIH 1992-93).

M'ADD'S	Side	MATER	MATERIAL SAFETY DAT	ETY D	DATA SHEET	SECTION V	1	HEALTH HAZARD DATA	ID DATA	
Natural Science	ance I shment.	ю 0 1	ad ntario L2S 3T5	ON SUSM		Threshold Limited Value	ited Value	None assigned to any composolutions. (ACGIH 1992-93).	None assigned to any component in this series of solutions. (ACGIH 1992-93).	s of the Urine
Rochester, NY 716-359-2502	Rochester, NY 14692-9012 716-359-2502	815 Flero Lane San Luis Obispo, CA 93403-5010	CA 93403-5010	Effective Date	ate June 14, 2000	Effects of Overexposure	exposure.	Low toxicity, the toxic	Low toxicity, the toxicological properties of this product have not been	product have not been
SECTION	INC	NAME 24	24 HOUR EMERGENCY A	RGENC	Y ASSISTANCE			thoroughly investigate potential hazards.	thoroughly investigated. Exercise appropriate procedures to minimize potential hazards.	procedures to minimize
Product	SIMULATED UF	SIMULATED URINE SAMPLE #3	<	CHEMTREC	REC Lanin .					
Chemical Synonyms	N/A		8	800-424-9300		Emergency and	pu			
Formula	Mixture.			Ĩ	Reactivity	First Aid Procedures	sedures	INGESTION: If swall drink, induce vomiting	lowed, if conscious, give g and call a physician. N	INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to
Unit Size	250 mL		HAZARC LEAST SU	HAZARD RATING	ATE HIGH EXTREME			an unconscious perso and water. EYES: F	on. SKIN: Flush with wate lush thoroughly with wate	an unconscious person. SKIN: Flush with water, then wash with mild soap and water. EYES: Flush thoroughly with water, lifting upper and lower
C.A.S. No. Mixture.		See Section II.		1 2	e			eyelids occasionally.	If irritation develops or p	evelids occasionally. If irritation develops or persists, get medical attention.
SECTION II	II NO	INGREDIENTS OF MIXTURES	DF MIXTURES	10				- And		
Principal	Principal Component(s)	(s)		%	TLV Units	SECTION VI		REACTIVITY DATA	TA	
Inert Mic Sodium	Inert Microcomponents (Proprietary) Sodium hydroxide: CAS No. 1310-73-2	roprietary) Vo. 1310-73-2	0, A	<0.01% <0.1%	None established. C 2 mg/m ³	Stability Stable	Stable X	Conditions to Avoid		High temperature and heat.
Food col Odorant	Food coloring: CAS No. FDC Yellow Odorant	DC Yellow	\$9	<0.1% <0.1%	None established. None established.	Incompatibility				
Distilled	Distilled water: CAS No. 7732-18-5	7732-18-5	96	98.9%	None established.	(Materials to Avoid)		strong oxidizers.		
LOW HAZARD	AZARD.					Hazardous		When heated to d monoxide. Soluti	When heated to decomposition may emit carbon dioxide and/or ca monoxide. Solution (C) will yield a very small amount of oxides of	When heated to decomposition may emit carbon dioxide and/or carbon monoxide. Solution (C) will yield a very small amount of oxides of
SECTION	III NO	PHYSICAL DATA	A			Decomposition Products	h Products	phosphorous.		2
Melting Point (°F)		Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	(1=1)	Approx. 1.0	Hazardous Polymerization	Will Not Occur	Conditions to Avoid		
Boiling Point (°F)		Approx. 100°C (212°F)	Percent Volatile by Volume (%)		Approx. 99%	may occur	×	2	NOI a	NOI applicable.
Vapor Pres	Vapor Pressure (mm Hg)	14 mm (water)	Evaporation Rate { Ether	=1)	Greater than 1.	SECTION VII		PILL OR LEAK	SPILL OR LEAK PROCEDURES	
Vapor Den	Vapor Density (Air=1) (0.7 (water)				Steps to be taken in case	ten in case	-		
Solubility in Water		Complete.					indo to poop	_	ne aqueous solution dowr	Flush the aqueous solution down drain with plenty of water.
Appearance & Odor		Clear, yellow color, water like liquid; no odor.	liquid; no odor.				1			
SECTION IV	VI NO	FIRE AND EXPLOSION HAZARD DATA	OSION HAZA	NRD DA	TA	Waste Disposal Method	_	scharge, treatment, or disp lese disposal guidelines ari	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.	ral, state or Local laws. catalog-size quantities only.
Flash Point (Method Used)	Non-flammable liquid.		Flammable Limits in Air % by Volume N/A	Lower	ler Upper		FI	ush the aqueous solution	Flush the aqueous solution down drain with plenty of water.	r of water.
Extinguisher Media	·Use any me	Use any media suitable for extinguishing supporting fire.	upporting fire.			SECTION VIII Respiration Protection		PECIAL PROT	SPECIAL PROTECTION INFORMATION aeded in normal laboratory handling. If misty conditions prev	ATION Jitions prevail, work in
CDECIAL	SDECIAL SIDSEICHTING					(Specify Type)	1	hood or wear a NIOSH	ventilation hood or wear a NIOSH/MSHA-approved respirator.	ator.
PROCEDURES	IRES					Ventilation L	Local Exhaust Mechanical (General)	None needed.	Special Other	No. No.
		If Involved in fire situa	ation, wear a NIOSH	HMSHA-ap	If Involved in fire situation, wear a NIOSH/MSHA-approved self-contained	Protective Gloves	oves	Rubber.	Eye Protection	Chemical safety glasses.
		breathing apparatus and full protective clothing.	and full protective ci	forming.		Other Protective Equipment	Lab coat, apro	Lab coat, apron, eye wash station, proper gloves.	roper gloves.	

	ie evaporation of the water of ttion products may be produced as
	In fire conditions resulting in the evap solution hazardous decomposition pridust or fume.
UNUSUAL FIRE AND EXPLOSION HAZARDS	

D.O.T. NON-REGULATED. Approved by U.S. Department of Labor *essentially similar* to form OSHA-20

Keep contairer lightly closed when not in use. Other Precautions Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing. For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Chemical Safety MR Revision No. 1 Date 6/14/00 Approved Michael Raszeja Chemical Safety MR
Read label on container before using. Do not wear contact lenses when working with. Avoid contract with skin, eyes and mucous mem Remove and wash contaminated clothing. or drug, tood or household use. Keep out of reach of children. (ate 6/14/00 Approved Michael Raszeja
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SPECIAL PRECAUTIONS

SECTION IX

WARD Natural Science Estemment P O Box 92912	(0.62	RIAL SA ntario L2S 3T5		IVIAIEKIAL SAFEIY DAIA SHEE 197 Vansickie Road 31. Catharines, Ontario L2S 3T5 MSDS No.	Threshold Limited Value	None assigned to any component in this series of A solutions. (ACGIH 1992-83).	component in this serie: 2-93).	s of A Urine
iochester, NY 14692-9012 16-359-2502	815 Fiero Lane San Luis Obispo, CA 93403-5010	CA 93403-5010	Effective Date	o, CA 83403-5010 Effective Date June 14, 2000	Effects of Overexposure	Low toxicity, the toxico thoroughly investigated	ogical properties of this . Exercise appropriate	Low toxicity, the toxicological properties of this product have not been thoroughly investigated. Exercise appropriate procedures to minimize
Product SIMULATED	#4	+ 11/2/11				potential hazards.		
Chemical Synonyms N/A			800-42	800-424-9300 Health 1	Emergency and			
Formula Mixture.				React	First Aid Procedures	INGESTION: If swallo	wed, if conscious, give	INGESTION: If swallowed, if conscious, give one or two glasses of water to drink induce womiting and call a physician. Never give anything by mouth to
Unit Size 250 mL			HAZARD RATING	HM		an unconscious persor	SKIN: Flush with wa	an unconscious person. <u>SKIN</u> : Flush with water, then wash with mild soap
C.A.S. No. Mixture. See :	See Section II.	0	1	2 3 4		eyelids occasionally. It	irritation develops or p	eyelids occasionally. If irritation develops or persists, get medical attention.
N II	INGREDIENTS OF MIXTURES	OF MIXTU	RES					
Principal Component(s)		1	%	TLV Units	SECTION VI	REACTIVITY DATA	A	
Food coloring: CAS No.	CAS No. FDC Yellow		<0.1%	"None established.	Stability Unstable	Conditions to Avoid		High temperature and heat.
Odorant			<0.1%	None established.	Incompatibility			
Distilled water: CAS No.	7732-18-5		98.9%	None established.	roid)	Strong oxidizers.		
LOW HAZARD.					Hazardous	When heated to de	composition may emit o	When heated to decomposition may emit carbon dioxide and/or carbon monoxide. Solution (C) will vield a very small amount of oxides of
SECTION III	PHYSICAL DATA	A			Decomposition Products	phosphorous.		
Melting Point (°F)	Freezes approx. 0°C (32°F)	Specific Gravity (H ₂ O =	$_{\rm V}({\rm H_2O}=1)$	Approx. 1.0	olyn	Conditions to Avoid	1	
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	æ	Approx. 99%	May Occur Will NOT Occur	<u></u> =	Nota	Not applicable.
Vapor Pressure (mm Hg)	14 mm (water)	Evaporation Rate (Ether	ther =1)	Greater than 1.	SECTION VII	SPILL OR LEAK	OR LEAK PROCEDURES	Reserves of the
Vapor Density (Air=1)	0.7 (water)				Steps to be taken in case			
Solubility in Water	Complete.				illaterial is released of spilled		aqueous solution dowr	Flush the aqueous solution down drain with plenty of water.
Appearance & Odor	Clear, yellow color, water like liquid; no odor.	iquid; no odor.						
SECTION IV	FIRE AND EXPL	OSION H	EXPLOSION HAZARD DATA	12 1	Waste Disposal Method	Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.	al may be subject to Feder ntended for the disposal of	ral, State or Local laws. catalog-size quantities only.
Method Used) Non-flamm	Non-flammable liquid. % by Volume	% by Volume	N/A	.ower Upper		Flush the aqueous solution down drain with plenty of water.	down drain with plenty	of water.
Extinguisher Use any m	Use any media suitable for extinguishing supporting fire	upporting fire.				SPECIAL PROTECTION INFORMATION	CTION INFORM	ATION
SPECIAL FIREFIGHTING					(Specify Type) ventila	None needed in normal laboratory handling. It misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.	MSHA-approved respire	ator.
PROCEDURES					Ventilation Local Exhaust Mechanical (General)	None needed.	Special Other	No.
	If involved in fire situation breathing apparatus	ation, wear a hand full protec	VIOSH/MSHA-a	If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.	Protective Gloves	Rubber.	Eye Protection	Chemical safety glasses.
					٢	Lab coat, apron, eye wash station, proper gloves.	per gloves.	
UNUSUAL FIRE AND					Precautions to be Taken in Handling & Storing	Store in a cool place	Store in a cool place. Wash thoroughly after handling.	r handling.
	In fire conditions resulting in the evaporation of the water of solution hazardous decomposition products may be produced as	ecomposition	aporation of the products may the products may be approximately approxim	e water of be produced as	Other Precautions Read lab	Read label on container before using. Do not wear contact lenses when working with chemicals	ar contact lenses when working	with chemicals.
	dust or tume.					Avoid contact with sl Remove and wash c	Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.	nembranes.
					For laboratory use only. Not for drug, food or household use. Keep out of reach of children. Revision No. 1 Date 6/14/00 Approved Michael Raszeja Chemical Safety	od or household use. Keep out o	f reach of children. Michael Raszeja	Chemical Safety MR