List

Material Safety Data Sheet (Documentation Requirements)

Section 1 – Product and C	ompany Informa	tion					
Product Name Catalog Number		Chloride CD-CHL-480		Emergency Telephone No. CHEMTREC (800) 424-9300			
Product Type		Clinical Chemistry Reagent		International CHEMTREC (703) 527-3887			
Company Name		Concept Diagnostics Com			elephone No.		
Street Address		2527 S. Greenwood P	I., ((909) 947-34	462		
City, State, Zip Code, Col	untry	Untano, CA 91761 US		-ax no. (90	9) 947-3162		
Section 2 – Composition/ir	Chemical Nam	gredients	Concentration		CAS#		
Chloride Reagent	Mercuric Nitrate	2	0.058 mM		7783-34-8		
emenae reagena	Mercuric Chlori	de	0.74 mM		7487-94-7		
	Mercuric Thiocy	vanate	1.75 mM		592-85-8		
	Ferric Nitrate		22.3 mM		7782-61-8		
	Non-reactive in	Non-reactive ingredients and stabilizors		nethanol.	1102 01 0		
Chloride Standard:	Sodium Chlorid	le	100 mFa/l	nothanon.	7647-14-5		
Other components either n	on-hazardous or	at concentrations below	that requiring haza	rdous listing	J.		
Section 2 Hazarda Identi	figation		·				
Emergency Overview:	ncation						
Chloride Reagent: Toxic I	oison. Contains	Mercury and Methanol.	Maybe harmful or	fatal if swal	lowed.		
Routes of Entry: Inhalation	, ingestion, eye c	ontact, skin contact, and	skin absorption.				
Skin contact: May cause in	rritation.						
Skin absorption: May be h	armful if absorbe	d through skin.					
Eye contact: May cause in	ritation.						
Ingestion: May be harmful	or fatal if swallow	ved.	ambranaa and unn	or rooniroto	and troot		
Chronic exposure to more	innaleu. Iviay cau	rough any route can dan	nemoranes and upp	er respirato	ny liaci.		
In case of inhalation indes	tion eve contact	or skin contact, refer to s	ection 4		Jus system.		
For additional information	on toxicity please	refer to Section 11	Section 4.				
	on toxicity, please						
Section 4 – First Aid Meas	ures						
First Aid for Ingestion:	Wash out m	nouth with plenty of wate	r provided person is	s conscious	. Call a physician.		
First Aid for Inhalation:	Remove to	is difficult give oxygen	g, give artificial resp Call a physician	piration.			
First Aid for Skin:	Wash conta	minated area immediate	ly with soan and n	enty of wate	er while removing contaminated		
	clothing and	d shoes. Wash contamir	nated clothing befor	e reuse.			
	Call a physi	cian if necessary.	iated eletining perer	0.0000			
First Aid for Eyes:	Flush eyes	with plenty of water for a	t least 15 minutes.	Assure ade	equate flushing by separating the		
	eyelids with	fingers. Call a physicial	n if necessary.				
Section 5- Fire and Explos	ive Hazard Data						
Flash Point		Explosion Limits	s		Autoignition Temp		
N/A		N/A			N/A		
Extinguishing Media	-:						
Se media appropriate for	site conditions.						
Protoctive Equipment: We	or colf contained	broathing apparatus and	h protoctivo clothing	to provent	contact with skin and aves		
Unusual Fire & Explosion I	Hazards: Emits to	xic fumes under fire con	ditions.	l to prevent	contact with skin and eyes.		
Soction 6 - Assidantal Del							
Procedure to be Followor	ease measures	k or Spill			Personal Protection		
Ventilate the area Absorb	on inert material	Place material and cont	aminated disposabl	es into a	Refer to section 8		
suitable container. seal. lat	bel and hold for di	isposal.					
Methods for Disposal							
Refer to section 13.							
Section 7 – Handling and S	Storage						
Handling							
Avoid contact with eyes, sk	kin, and clothing.	Avoid prolonged or repe	ated exposure. Av	oid inhalatio	on or ingestion.		
Do not pipette by mouth. R	efer to Section 8.	- •					
Storage	- d'acter						
Store according to package	e directions.						

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CONCEPT DIAGNOSTICS

List		Material Safet	y Data Sheet	(Documentation	Require	ments)		
		•			•			
Chloride								
Section 8 – Exposure Co	ontrols / PPF							
Engineering Controls			Personal P	rotective Equipme	ent			
Safety shower and even	ash should be	available.	Respiratory	Protection: None	reauired v	where adequately ventilated.		
Ventilation: General roon	n ventilation is	satisfactory.	Protective C	lothing: Lab coat				
		-	Protective G	Bloves: chemical re	sistant lat	ex or rubber gloves		
General Hygiene Measu	ures		Eye Protection: Safety glasses or goggles					
Wash hands thoroughly a	after removing	gloves.	Other Prote	ctive Equipment: U	lse a safe	ty pipette device		
Section 9 - Physical Data	•							
Boiling Point	•	Solubility in	Water Specific Gravity (g/cm ³)					
N/A		Soluble			N/A	(g)		
Odor		рН			Appear	ance		
No Significant Odor		Not relevant to	o safety		Clear pa	ale yellow liquid		
Castian 40 - Ctability and								
Section 10 – Stability and	d Reactivity			Matorials to Ave	vid			
Stable, under normal har	ndling and stor	age conditions.		N/A	Ju			
Hazardous Decomposit	tion Products	age contailerier		Hazardous Polv	merizatio	on		
N/A				Will not occur				
Section 11 – Toxicologic	al information							
Marauria pitrata.								
Toxicological Data:								
Route of exposure: Or	al Spe	cies: Rat	Dose	· 26 ma/ka		Result: 1 D50		
Route of exposure: De	ermal Spe	ecies: Rat	Dose	: 75 mg/kg		Result: LD50		
Carcinogenicity:	· ·			0 0				
Cancer Lists:	NTP Kno	own Carcinogen: No	NTP Ant	icipated Carcinoge	n: No	IARC Category: No		
Mercuric chloride:								
Toxicological Data:								
Route of exposure: Or	al Spe	ecies: Rat	Dose	e: 1 mg/kg		Result: LD50		
Irritation Data (Standard	Draize):			500 /0.411				
Route of exposure: Sk	in Spe	cies: Rabbit	Dose	e: 500 mg/24H		Result: Severe irritation		
Roule of exposure. Ey	ll forms of mer	curv can cross the play	DUSE	atus but most infor	mation ha	Result. Severe initiation		
experimental animals. M	lercury compou	unds can damage the	developing fe	tus and decrease f	ertility in r	nales and females.		
Carcinogenicity: EPA / II	RIS classification	on: Group C – Possib	le human card	cinogen.				
Cancer Lists: N	ITP Known Ca	rcinogen: No	NTP Anticipa	ted Carcinogen: N	lo	IARC Category: 3		
Mercuric thiocyanate:								
Toxicological Data:								
Route of exposure: Ora	al Spe	ecies: Rat	Dose	e: 46 mg/kg		Result: LD50		
Reproductive Toxicity: A	Il forms of mer	cury can cross the pla	centa to the fe	etus, but most infor	mation ha	as been obtained from		
Carcinogenicity:	iercury compot	unds can damage the	developing le	lus and decrease in	entinty in r	nales and lemales.		
Cancer Lists:	TP Known Car	cinogen: No	NTP Anticipa	ted Carcinogen: N	lo	IARC Category: 3		
Section 12 – Ecological I	nformation							
For mercury:								
This material has an experimentally-determined bioconcentration factor (BCF) of greater than 100. This material is expected to								
significantly bloaccumula	ite. This mater	ial is expected to be to	oxic to aquatic	me. The LC50/96	-nour valu	ues for fish are less than 1 mg/L.		
Section 13 – Disposal Co	onsiderations							
Contact a licensed profes	ssional waste o	disposal service to disr	oose of this m	aterial.				
Dispose of in accordance	e with current n	ational and regional re	egulations.					
	-	0	-					
Section 14 – Transport Ir	nformation							
Product is stable under n	ormal condition	ns.						
Non-hazardous for trans	Non-hazardous for transport.							

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Chloride								
Section 15 – Regulatory Information								
OSHA Status: Regulated under Subpart 7								
Classification: The preparation is classified and labeled according to EEC Directive n.88/379.								
Symbol: Xn (Harmful)								
Risk Statements: Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin. Possible risks of irreversible								
effects.	effects.							
Safety Statements: Avoid contact with skin and eyes. In case of	contact with eyes, rinse immediately with plenty of water and seek							
medical advice. After contact with skin, wash immediately with pl	lenty of water. If swallowed, seek medical advice immediately and show							
this container or label.								
California Prop 65 Warning: This product contains a chemical kr	nown to the state of California to cause birth defects or other							
reproductive harm.								
Canada WHMIS: This MSDS has been prepared according to the	he hazard criteria of the Controlled Products Regulations (CPR) and the							
MSDS contains all of the information required by the CPR.								
.								
Mercuric nitrate								
United States Regulations:	and the first light because Operation for Other land, (00 OFD							
OSHA: This product meets the criteria for a nazardous substar	nce as defined in the Hazard Communication Standard. (29 CFR							
SARA 211/212: Acuto: Voc: Chronic: Voc: Eiro: No: Proceure	o: No: Popetivity: No							
SARA 313' This product contains a chemical(s) subject to the	reporting requirements of Section 313 of Title III of SARA							
SARA 302 RO: No: TPO: No								
304 CERI A (40 CER 302.4): RQ 10 lbs.								
Clean Water Act (40 CFR 116.4): RQ 10 lbs.								
RCRA: Contains RCRA regulated substances.								
Chemical Inventory Status								
TSCA 8(b): Yes								
Mercuric chloride								
Chemical Inventory Status – Part 1:	Federal, State & International Regulations – Part 1:							
TSCA: Yes	SARA 302 RQ: No							
EC: Yes	SARA 302 TPQ: No							
Japan: Yes	SARA 313 List: No							
Australia: Yes	SARA 313 Chemical Category: Mercury Comp							
Chemical Inventory Status – Part 2:	Federal, State & International Regulations – Part 2:							
Conodo DSL. Voo: NDSL. No	DERGLA: 1 DERA 261 22: No							
Dhili Voo	TSCA 9(d): No							
Chamical Waapans Convention: No	SADA 211/212							
TSCA 12(b): No	Acute: Ves: Chronic: Ves: Fire: No: Pressure: No: Reactivity: No							
	Acute. res, childring. res, rine. No, riessure. No, reactivity. No							
Australian Hazchem Code: 2X								
Poison Schedule: S7								
Mercuric thiocyanate								
Chemical Inventory Status – Part 1:	Federal, State & International Regulations – Part 1:							
TSCA: Yes	SARA 302 RQ: No							
EC: Yes	SARA 302 TPQ: No							
Japan: No	SARA 313 List: No							
Australia: Yes	SARA 313 Chemical Category: Mercury Comp							
Chemical Inventory Status – Part 2:	Federal, State & International Regulations – Part 2:							
Korea: No	CERCLA: 10							
Canada DSL: Yes; NDSL: No	KUKA 201.33: NO							
Chemical Weepone Convertion: No	130A 0(U): NU SADA 211/212:							
TSCA 12/b): No	Acuto: Voc: Chronic: Voc: Eiro: No: Drosouro: No: Doostiviti: No							
	Acute. res, Chronic. res, File. NO, Messule. NO, Reactivity: NO							
	<u> </u>							
Section 16 – Other Information								
This Product is labeled in accordance with CFR21 (Food and Dr	rugs), Section 809.10.							
The information contained herein has been compiled from data presented in various technical sources believed to be accurate. We make								
no warranties, express or implied, and assume no liability in connection with the use of this information. It is the user's responsibility to								
determine the suitability of this information and to assure the add	determine the suitability of this information and to assure the adoption of necessary safety precautions.							

N/A - Not Applicable or Not Available

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