

Page 1 of 6 SDS-E-DCC-V510A

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 4.1

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.1	Product Name:	DEOXIT®	CONTAC	T CLEAN	IER W	ASH	1								
2	Chemical Name:	See ingredients													
3	Synonyms:	DeoxIT® Conta			/510)										
4	Trade Names:	DeoxIT® Conta													
		Deoxii Conta	ici Cieariei wa	ISII I AIXI IIOX	J.										
		Part No. DCC-	V511 (156 grai	ms); Pa	art No. DC	CC-V51	0 (284	gram:	s)						
5	Product Uses & Restrictions:	Cleaning Comp	oound												
6	Distributor's Name:	CAIG Laborato	ries. Inc.												
7	Distributor's Address:	12200 Thatche		v. CA 92064-6	876 USA										
.8	Emergency Phone:	CHEMTRE					-9300	o (CC	N20!	206)					
9	Business Phone / Fax:	+1 (800) 224-4			(555	, . <u>_</u> .	-	- (
		111 (000) 224 4	120												
			2. HA	ZARDS I	DENT	IFIC/	ATIC	ON							
1	Hazard Identification:	This product										GOOD	os		
		according to th											_		
		DANGER! EX													
		IF HEATED. BE FATAL IF					: טאט	WSINE	:55 0	K DIZZ	INES	o. MA	NY		
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2	Label Elements:	Classification: Hazard Statem						220 '	Dross	ا مواس	20 mt = 1		-		
	East Elemente.	burst if heated													
		irritation. H336					enters	s all wa	1у5. г	1313 -	- Cau	ses sk	dri		
			•				at hot	curfac	a ena	rke on	an flai	mae ar	nd		_
				Precautionary Statements (P): P210 – Keep away from heat, hot surface, sparks, open flames and											
		other ignition sources. No smoking. P211 – Do not spray on an open flame or other ignition								me or	other				
source. P233 – Keep container tightly closed. P251 – Do not pierce or the P261 – Avoid breathing fume/gas/mist/vapor/spray. P264 – Wash thoroughly												ignitio	on		W\
			- Keep conta	ainer tightly clo	osed. P2	251 – I	Do no	t pierc	e or b	urn, e	ven at	ignition fter us	on se.		炒)
			 Keep contact breathing fume 	ainer tightly clo e/gas/mist/vapo	osed. P2 or/spray.	251 – 1 P264 -	Do no - Wasł	t pierc	e or bughly	urn, e after h	ven at	ignition fter us g. P27	on se. 71	<	*
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EMI \PH' 'DR	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containet expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 62 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. G0-100	P251 – P264 – P264 – P264 – P268 – P2	Do no - Wash Wear ON Cl n plent . P33 minate d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA	t pierch thoroprotech thoroprotech thoroprotech the second of the second	e or bughly tive glad dependence of the control of	urn, e after h oves/ e or. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ON SURE LI ES- PEAK NF	ven at andling ye progress of the progress of	ignition ignition ignition is ignition if ignition is ignition in ignition is ignited by ignition in ignition is ignited by ignition is ignited by ignition in ignition is ignited by ignition is ignited by ignition in ignition is ignited by ignition is ignited by ignition is ignited by ignition in ignition is ignited by ignited by ignition is ignited by ignited by ignited by ignition is ignited by i	on e.e. 771 in. 771 in	SKIN	OTHER
EMI PH DR	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containe expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 62 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. G0-100 10-30	251 – P264 – 280 – POISish with Sheet. contain air and P403 pp. P41 P50 pm the PTLV 100 1000 1000 1000 1000 1000 1000	Do no - Wash Wear ON Cl n plent - P33 ninate d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA NA	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the piece to the piece that the pie	e or bughly tive glad vision of color o	urn, e after h oves/ e or. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ES- PEAK NF NF	ven at andling ye progress of the progress of	rignition ignition ignition ignition is ignition in ignition in ignition is ignited by the ignition is ignited by the ignition is ignited by ignited by ignition is ignited by ignited by ignited by ignition is ignited by ignite	on e.e. 771		OTHER
EMI \PH' 'DR	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containet expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 62 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9 200-866-1 280 203-777-6 critt. 2, STOT SE	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. G0-100 10-30 ≤ 5.0 3; STOT R	251 – P264 – 280 – POISish with Sheet. contain air and P403 pp. P41 P50 pm the PTLV 100 PP TLV 100	Do no - Wash Wear ON Cl n plent - P33 d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA NA NA NA	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the piece of the piece	e or bughly tive glad dependent of the control of t	urn, e after h byes/ e br. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ES- PEAK NF NF NF NF	ven at andling ye progress of the progress of	ignition in ignition is ignition in ignition ignition in ignition	on e	H411	OTHER
EMIL APH 'DR FLU	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containe expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As 64-17-5	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 62 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. G0-100 10-30	251 – P264 – 280 – POISish with Sheet. contain air and P403 pp. P41 P50 pm the PTLV 100 1000 1000 1000 1000 1000 1000	Do no - Wash Wear ON Cl n plent - P33 n tend d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA NA NA NA	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the piece to the piece that the pie	e or bughly tive glad vision of color o	urn, e after h oves/ e or. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ES- PEAK NF NF	ven at andling ye progress of the progress of	rignition ignition ignition ignition is ignition in ignition in ignition is ignited by the ignition is ignited by the ignition is ignited by ignited by ignition is ignited by ignited by ignited by ignition is ignited by ignite	on e	H411	OTHER
EMI PH DR LU	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containe expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As 64-17-5 Flam. Liq. 2; H2	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 62 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9 200-866-1 280 203-777-6 rrit. 2, STOT SE 200-578-6	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. G0-100 10-30 ≤ 5.0 3; STOT R	251 – P264 – 280 – POISish with Sheet. contain air and P403 pp. P41 P50 pp. P4	Do no - Wash Wear ON Cl n plent - P33 on +P41 1 - Di s prod U.S. r INF STEL NA NA NA NA NA NA NA NA NA	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the piece of the piece	e or bughly tive glack der and list – If ing an ortable e in a crotect f of contact	urn, e after h oves/ e or. P3 soap. skin in d wash for bre rom su ntents/ ontact and s ES- PEAK NF NF NF NF NF	ven at andling ye program is per and in per	ignition in ignition in ignition is ignition in ignition ignition in ignition	on i.e. 71 in. 7	H411	OTHER
EMI PH DR FLU HAI	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containet expose to tem licensed treatm In the event of local poison cc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As 64-17-5 Flam. Liq. 2; H2 67-56-1	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 52 – IF ON S on 4 of this Sa P362 +P364 - Remove person loctor if you fer P405 – Store eeding 50 °C r disposal facil or medical inqu /ho may seek H OF CHILDR ON & ING EINECS No. 265-151-9 200-866-1 280 203-777-6 rrit. 2, STOT SE 200-659-6	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. elocked u / 122 °F itty (TSDF uiry involv advice fro EN. 60-100 10-30 ≤ 5.0 3; STOT R ≤ 2.0	251 – P264 – 280 – POIS sh with Sheet. contain P403 Jp. P41 . P50 in the P50	Do no - Wash Wear ON Cl n plent - P33 minate d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA NA NA NA NA 250	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech the pierch thoroprotech the pierch thoroprotech the pierch thoroprotech th	e or bughly tive glack der and list and	urn, e after h byes/ e br. P3 soap. skin ind d wash for bre well-ve rom su ntents/ ontact and s ON SURE LI ES- PEAK NF NF NF NF NF	ven at andling ye program of the pro	rignition in ignition in ignit	on e	H411	OTHER
EMII IPH 'DR FLU HEX	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A) TANE NOL (SD ALCOHOL 40B)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISC Keep containe expose to tem licensed treatm In the event of local poison oc SDS. KEEP O CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2; As 64-17-5 Flam. Liq. 2; As 67-56-1 Flam. Liq. 2; As	- Keep contable conta	ainer tightly cla //gas/mist/vapo well-ventilated /ED: Immediat 52 – IF ON S 07 4 of this Sa P362 +P364 - Remove persor loctor if you fee eeding 50 °C r disposal facil or medical inqu //ho may seek H OF CHILDR ON & INC EINECS No. 265-151-9 200-866-1 280 203-777-6 rrit. 2, STOT SE 200-659-6 ute Tox. 3 *; Acut	osed. P2 or/spray. I area. P tely call a KIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F. ity (TSDF uiry involv advice fro EN. 60-100 10-30 ≤ 5.0 3; STOT R ≤ 2.0 ≤ 1.0 te Tox. 3 *;	251 – P264 – 280 – POIS Sh with Sheet. contain air and P403 P50 P10 P50 P10 P10 P10 P10 P10 P10 P10 P10 P10 P1	Do no - Wash Wear ON Cl n plent - P33 ole the period of th	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the pierch that t	e or bughly tive glad vision of the control of the	urn, e after h byes/ e br. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ON SURE LI ES- PEAK NF NF NF NF NF NF NF NF NF NF	ven at andling ye prosection of the prosection o	ignition from the manner to manner t	pon i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 775	H411	OTHER
EMI(DR FLU HEX THAI	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A) TANE NOL (SD ALCOHOL 40B)	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISO Keep containet expose to tem licensed treatm In the event of local poison co SDS. KEEP O 3. CO CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As 64-17-5 Flam. Liq. 2; Ac 67-63-0	- Keep contable of the control of th	ainer tightly clader decorate tightly clader decorate dec	osed. P2 or/spray. I area. P tely call a kIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F tity (TSDF tiry involv advice fro EN. SREDI	251 – P264 – 280 – POIS sh with Sheet. contain P403 Jp. P41 . P50 in the P50	Do no - Wash Wear ON Cl n plent - P33 minate d keep +P233 0+P41 1 - Di s prod U.S. r INF STEL NA NA NA NA NA 250	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech the pierch thoroprotech thoroprotech the pierch thoroprotech the pierch thoroprotech the pierch thoroprotech the pierch thoroprotech th	e or bughly tive glack der and list and	urn, e after h byes/ e br. P3 soap. skin ind d wash for bre well-ve rom su ntents/ ontact and s ON SURE LI ES- PEAK NF NF NF NF NF	ven at andling ye program of the pro	rignition in ignition in ignit	on i.e. 71 in. 7	H411	OTHER
EMI(PH PH DR FLU HEX HAI	CAL NAME(S) THA (PETROLEUM), OTREATED LIGHT OROETHANE (R-152A) CANE NOL (SD ALCOHOL 40B) ANOL	P261 – Avoid b - Use only out P301+P310 – induce vomitin specific treatm get medical ad P304+P340 – Call a POISO Keep containet expose to tem licensed treatm In the event of local poison co SDS. KEEP O 3. CO CAS No. 64742-49-0 Asp. Tox. 1; H3 75-37-6 Flam. Gas 1, Li 110-54-3 Flam. Liq. 2, As 64-17-5 Flam. Liq. 2; Ac 67-63-0	- Keep contable conta	ainer tightly clader decorate tightly clader decorate dec	osed. P2 or/spray. I area. P tely call a kIN: Was fety Data - Take off n to fresh el unwell. e locked u / 122 °F tity (TSDF tiry involv advice fro EN. SREDI	251 – P264 – 280 – POIS Sh with Sheet. contain air and P403 P50 P10 P50 P10 P10 P10 P10 P10 P10 P10 P10 P10 P1	Do no - Wash Wear ON Cl n plent - P33 ole the period of th	t pierch thoroprotech thoroprotech thoroprotech thoroprotech the pierch that t	e or bughly tive glack der and list – If ing an ortable e in a crotect f of contract of contract expenses of the contract of the contract of the contract expenses of the contract of the contract expenses of the contract e	urn, e after h byes/ e br. P3 soap. skin in d wash for bre well-ve rom su ntents/ ontact and s ON SURE LI ES- PEAK NF NF NF NF NF NF NF NF NF NF	ven at andling ye prosection of the prosection o	ignition from the manner to manner t	pon i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 771 i.e. 775	H411	OTHER



Page 2 of 6 SDS-E-DCC-V510A

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 4.1

			4. FIRST AID MEASURES					
4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting. If product has IMMEDIATELY. If the patient is vomiting, continue to conconscious person. Contact the nearest Poison Contrestimate of the time at which the material was ingest	offer water of offer off	or milk. Nev r local emer	er give wate gency numb	er or mi er. Pro	ilk to an ovide an
		Eyes:	swallowed. Splashes are not likely; however, if product gets in the water for at least 15 minutes lifting upper and lower lides.					
		Skin:	Get medical attention. Wash thoroughly with soap and water. In case of contalleast 15 minutes. Treat for frostbite if necessary, be ge swelling persists, contact a physician immediately.					
		Inhalation:	Remove victim to fresh air at once. If breathing difficult, artificial respiration. Keep person warm, quiet and get m			reathing sto	ps give	
4.2	Effects of Exposure:	Ingestion: Eyes:	If product is swallowed, may cause nausea, vomiting an Moderately irritating to the eyes. Symptoms of overex watering.	d/or diarrhe	a.	lness, itchin	g, irritat	ion and
		Skin:	May be irritating to skin. The product can cause allerg some sensitive individuals.	ic skin reac	tions (e.g., r	ashes, welts	, derma	atitis) in
4.3	Symptoms of Overexposure:	Inhalation:	None expected.					
4.3	Symptoms of Overexposure:	Ingestion: Eyes:	Nausea, intestinal discomfort, vomiting and/or diarrhea. Overexposure in eyes may cause redness, itching and v	vatering				
		Skin:	Symptoms of skin overexposure may include redness,	•	d irritation o	f affected a	reas F	rosthite
		<u> </u>	like symptoms. The product can cause allergic skin individuals.					
4.4	Acute Health Effects:	drowsiness,	ritation to eyes and skin near affected areas. Addition dizziness, headaches and nausea. Frostbite like effect to	skin.		<u>'</u>		
4.5	Chronic Health Effects:		re may trigger asthma-like symptoms in some sensitive in ypersensitivity. Possible allergic dermatitis.	ndividuals.	May also in	duce skin se	ensitizat	tion and
4.6	Target Organs:		Respiratory System.					
4.7	Medical Conditions Aggravated by Exposure:		dermatitis, other skin conditions, and disorders of the	HEALTH	ı			2
	riggiarated by Exposure.	target organs (eyes, skin, and respiratory	s (eyes, skin, and respiratory system).	FLAMMABILITY			3	
				PHYSIC	AL HAZAF	DS		1
				PROTE	CTIVE EQL	JIPMENT		В
				EYES	SKIN			
	T	1	5. FIREFIGHTING MEASURES					
5.1	Fire & Explosion Hazards:	containers to aerosols are However, if i (e.g., CO, H	osol (NFPA 30B). Aerosols may burst at temperatures abe prevent possible bursting. Aerosols may be projectible bursting, stay clear until bursting is complete. This nvolved in a fire, this product may decompose at high temydrogen Fluoride).	e hazards s product i peratures t	when burstir is not flamn o form toxic	ng. If nable.		
5.2	Extinguishing Methods:	Water, Foan	n, CO ₂ , Dry Chemical. Use water spray to cool unopened	containers.			3	
5.3	Firefighting Procedures:	breathing ap after the fire fire upwind. Prevent rund any natural pressure sel	s for surrounding materials. As in any fire, wear MSHA/NIII progratus (pressure-demand) and full protective gear. Ke is out. Use water spray to cool fire-exposed surfaces at Avoid spraying water directly into storage containers be off from fire control or dilution from entering sewers, drait waterway. Firefighters must use full bunker gear includif-contained breathing apparatus to protect against potention products and oxygen deficiencies.	eep contain nd to prote cause of da ins, drinking ing NIOSH-	ers cool unt ct personal. anger of boil g water supp approved po	il well Fight -over. oly, or ositive	2	0
			6. ACCIDENTAL RELEASE MEASU	RES				
6.1	Spills:	Equipment. Small Spills material suc water or a r plastic broor Large Spills or release.	ning any spill or leak, individuals involved in spill clear Plastic or rubber gloves, respirator, eye protection and all Wear appropriate protective equipment including gloves the as vermiculite or sand to soak up the product and pla material such as "speedy dry" to soak up material. Swems, shovels, dustpans) and place into a plastic container of Keep incompatible materials (e.g., organics such as oil) Isolate immediate hazard area and keep unauthorized per inimal risk. Wear appropriate protective equipment includ	pron may be and proted ce into a compart of the com	e required fo ctive eyewer ontainer for rial using no er within and spill. Stay of area. Sto	r clean-up of ar. Use a no later disposa on-sparking i other contain upwind and p spill or rele	f large son-comled. Do materia er. away frease if it	spills. bustible not use ls (e.g., rom spil t can be



Page 3 of 6 SDS-E-DCC-V510A

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 4.1

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		7. HANDLIN									
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke container(s). When used as contact is possible. Wash un	intend	ed, no a	dditional	protective	equipment	t is nece	ure. H essary.	andle a Use ch	s to avoid puncturing nemical goggles if eye
7.2	Storage & Handling:	Use and store in a cool, dry sunlight. Avoid temperatures damage. To avoid unintention	, well-v above	entilated	d location Keep awa	(e.g., loc ay from ind	al exhaust compatible	ventilat substan			
7.3	Special Precautions:	Clean all spills promptly.	nai opic	aying no	op oap III	DIAGO WITO	11 1101 111 001	<u>. </u>			
	<u> </u>	Great an opine prempay.									
		8. EXPOSURE CO	NTR	OLS A	& PFR	SONA	I PRO	TECT	ION		
8.1	Exposure Limits:	C. EXI GOOKE GO		GIH	<u> </u>	NOHSC		<u> </u>	OSHA		OTHER
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		N-HEXANE	1800	NA	500	1760	NF	1800	3600	NA	
		DIFLUOROETHANE (R-152A)	1000	NA	1000	NF	NF	NA	NA	NA	SKIN
		ETHANOL (SD ALCOHOL 40B)	1000	3000	1000	1800	NF	1000	1900	3300	
		METHANOL	200	250	(200)	262	NF	200	250	6000	
		2-PROPANOL	400	500	(400)	983	NF	400	500	2000	
8.2	Ventilation & Engineering	METHYL ISOBUTYL KETONE General mechanical (e.g., fa	50	75	(50)	205	NF	100	NF tuot io i	500	Has local or genera
	Controls:	exhaust ventilation to effecti product. Ensure appropriate	veľy rei	move ar	nd preven	t buildup	of vapors	or mist	generat	ed fron	n the handling of this
8.3	Respiratory Protection:	No special respiratory protectinstances where dusts of this protection authorized by 29 CAS Standard Z94.4-93 and Australia.	tion is produc CFR §	required are gent 1910.134	d under ty nerated, a 4, applica	pical circuind respira	umstances atory protec State regula	of use tion is n ations, o	or hand eeded, or the C	lling. Ir use only anadiar	n // // // // // // // // // // // // //
8.4	Eye Protection:	Avoid eye contact. None rec when handling or using large					use. Safety	/ glasse	s could	be used	
8.5	Hand Protection:	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious plastic gloves.									
8.6	Body Protection:	No apron required when han eye wash stations and deluginvolving large quantities of the	ge shov	vers sho	uld be av	ailable. l	Upon comp	letion o	f work	activities	
		9. PHYSICA	4L&	CHE	MICAL	. PROI	PERTIE	S			
9.1	Appearance:	Colorless to pale yellow liquid									
9.2	Odor:	Solvent-like odor									
9.3	Odor Threshold:	NA									
9.4	pH:	NA									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling	58- 64 °C (136.4-147.2 °F) (lo	west c	omponei	nt)						
9.7	Range: Flashpoint:				/						
9.8	Upper/Lower Flammability	-17 °C (1.4 °F) (lowest compo	ni c iil),	100							
	Limits:	LEL: 1.2 % / UEL: 6.7%									
9.9	Vapor Pressure:	NA									
9.10	Vapor Density:	NA									
9.11	Relative Density:	0.66									
9.12	Solubility:	Negligible									
9.13	Partition Coefficient (log Pow):	NA									
9.14	Autoignition Temperature:	NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	VOC: 75%									
10.4	Ctobility:					ACTIVI					
10.1	Stability:	Stable under normal condition						1:6- 144	/:II -a - 1	la aul	to constable control of
10.0	Hazardous Decomposition Products:	Change in color signifies ex Discard solution.	posure	to ultrav	/iolet light	or excee	eaing shelf	lite. W	'ill not c	egrade	to unstable products
10.2		ן טוטטמוע טוועווטרו.									
10.2	Hazardous Polymerization:										
10.3	Hazardous Polymerization: Conditions to Avoid:	Will not occur.	at inco	mnatible	cubotono	ac and di	ract cuplich	nt.			
	Hazardous Polymerization: Conditions to Avoid: Incompatible Substances:							nt.			



15.5

Other Federal Requirements:

listed as a Toxic Pollutant under the CWA.

SAFETY DATA SHEET

Page 4 of 6

SDS-E-DCC-V510A Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 4.1 SDS Revision Date: 2/10/2018 11. TOXICOLOGICAL INFORMATION Routes of Entry Absorption: YES Ingestion: YES 11.2 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product. 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis). 11.5 Suspected Carcinogen: This product contains less than 3% Dimethyl Sulfoxide (DMSO) per IP 346. 11.6 Reproductive Toxicity: WARNING: This product can expose you to chemicals including Hexane, Methanol and Methyl Isobutyl Ketone (MIKB), which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov. Mutagenicity: This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to cause teratogenic effects in humans. Reproductive Toxicity: WARNING: This product can expose you to chemicals including Hexane, Methanol and Methyl Isobutyl Ketone (MIKB), which are known to the State of California to cause cancer or other reproductive harm. For more information, go to www.P65Warnings.ca.gov 11.7 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. Biological Exposure Indices: 11.8 ΝE 11.9 Physician Recommendations: Treat symptomatically 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: Methanol: Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Methyl Isobutyl Ketone: Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Low potential for adsorption in soil. Photolysis in the air. Effects on Plants & Animals: 12.2 There is no specific data available for this product. 12.3 Effects on Aquatic Life: There is no specific data available for this product. 13. DISPOSAL CONSIDERATIONS 13.1 Waste Disposal Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Dispose of in accordance with federal, state and local regulations. 13.2 Special Considerations: U.S. EPA RCRA Hazardous Waste: D001 (Characteristic - Ignitability). California Waste Code: 331 (liquid concentrate). 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); or CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) - until 12/31/2020 14.2 IATA (AIR): UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 0.5 L); or Лħ ID8000, CONSUMER COMMODITY, ORM-D (IP VOL ≤ 0.5 L) 14.3 IMDG (OCN): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.4 TDGR (Canadian GND): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L); or MARK PACKAGE "LIMITED QUANTITY," "LTD QTY," or "QUANT LTÉE" or "QUANTITÉ LIMITÉE" 14.5 ADR/RID (EU): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 14.6 SCT (MEXICO): UN1950, AEROSOLES, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L) 14.7 ADGR (AUS): UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L) 15. REGULATORY INFORMATION SARA Reporting This product contains Hexane and Methanol substances subject to SARA Title III, Section 313 reporting requirements. 15.1 This product contains Methyl-Isobutyl Ketone (MIBK) a substance subject to SARA Title III, Section 311 reporting. 15.2 SARA Threshold Planning There are no specific Threshold Planning Quantities for the components of this product. Quantity: TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. 15.3 15.4 CERCLA Reportable Quantity Ethanol: 2,270 kg (5000 lbs); Methanol: 2,270 kg (5,000 lbs.); Methyl-Isobutyl Ketone (MIBK): 2,270 kg (5,000 lbs)

> Methanol and Methyk-Isobutyl Ketone ingredients in this mixture are listed as Hazardous Air Pollutants (HAPs). None of the ingredients in this mixture are listed as a Priority Pollutant under the CWA. None of the ingredients in this mixture are



Page 5 of 6 SDS-E-DCC-V510A

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 4.1

	45 5500 4500 4500 4500 4500 4500 4500 4							
	15. REGULATORY INFORMATION – cont'd							
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. WHMIS Class B5 (Flammable Aerosol).						
15.7	State Regulatory Information:	Ethanol is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Pennsylvania Right-to-Know List (PA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ). Methanol is found on the following state criteria lists: FL, MA, MN, NJ, PA, WA and WI. Methyl Isobutyl Ketone is found on the following state criteria lists: FL, MA, MN, NJ, PA, WA and WI. Isopropanol is found on the following state criteria lists: FL, MA, MN, NJ, PA, and WA. Difluoroethane can be found on the following state criteria lists: MA and NJ. No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).						
15.8	Other Requirements:	WARNING : This product can expose you to chemicals including Hexane, Methanol and Methyl Isobutyl Ketone which is known to the State of California to cause reproductive harm. For more information, go to www.P65Warnings.ca.gov.						
		16. OTHER INFORMATION						
16.1	Other Information:	DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTINER; MAY BURST IF HEATED CAUSES SKIN IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking						
		Do not spray on an open flame or other ignition source. Keep container tightly closed. Do not pierce or burn, even after use. Avoid breathing fume/gas/mist/vapor/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection. IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. IF ON SKIN: Wash with plenty water and soap. For specific treatment, see Section 4 of this Safety Data Sheet. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. WARNING: This product can expose you to chemicals including Hexane, Methanol and Methyl Isobutyl Ketone,						
		which is known to the State of California to cause reproductive harm. For more information, go to www.P65Warnings.ca.gov.						
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.						
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.						
16.4	Prepared for:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/						
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com						



Page 6 of 6 SDS-E-DCC-V510A

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

SDS Revision: 4.1

SDS Revision Date: 2/10/2018

DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	No. Chemical Abstract Service Number						
RTECS No. Registry of Toxic Effects of Chemical Substances Number							
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number						

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
IDLH	Immediately Dangerous to Life and Health			
NOHSC National Occupational Health and Safety Commission (Australia)				
OSHA	U.S. Occupational Safety and Health Administration			
PEL Permissible Exposure Limit				
STEL Short Term Exposure Limit				
TLV Threshold Limit Value				
TWA Time Weighted Average				

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has			
	stopped receives manual chest compressions and breathing to circulate blood			
	and provide oxygen to the body.			

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE THE	
Е			
F		THE THE	

G						
Н			H, III			
I						
J			FINAL			
K	F		Â	(2)		
Х	Consult your supervisor or SOPs for special handling directions.					



OTHER STAN	OTHER STANDARD ABBREVIATIONS:				
Carc	Carcinogenic				
Irrit	Irritant				
NA	Not Available				
NR	No Results				
ND	Not Determined				
NE	Not Established				
NF	Not Found				
SCBA	Self-Contained Breathing Apparatus				
Sens	Sensitization				
STOT RE	Specific Target Organ Toxicity – Repeat Exposure				
STOT SE	Specific Target Organ Toxicity – Single Exposure				

FLAMMABILITY LIMITS IN AIR: Autoignition Temperature LEL Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source UEL Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard	FLAMMABILITY
2	Slight Hazard Moderate Hazard	REACTIVITY
3	Severe Hazard	1
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ ~ ~ ~ >
W	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

TOXICOLOGICAL INFORMATION:

LD ₅₀ Lethal Dose (solids & liquids) which kills 50% of the exposed an				
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD _{io} Lowest dose to cause a symptom				
TCLo	TCLo Lowest concentration to cause a symptom			
TD _{Io} , LD _{Io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TCo, LCio, & LCo				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TLm	Median threshold limit			
log Kow or log Koc	Coefficient of Oil/Water Distribution			

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System		
DOT	U.S. Department of Transportation		
TC	Transport Canada		
EPA	U.S. Environmental Protection Agency		
DSL	Canadian Domestic Substance List		
NDSL	Canadian Non-Domestic Substance List		
PSL	Canadian Priority Substances List		
TSCA	U.S. Toxic Substance Control Act		
EU	European Union (European Union Directive 67/548/EEC)		
WGK	Wassergefährdungsklassen (German Water Hazard Class)		

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	(*)	(2)	②	\odot	®		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond					*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment