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

SDS Revision: 1.0

SDS Revision Date: 10/10/2019

SDS-E-K2C

Includes SDS for Products: D100L-16BX G100L-16BX S100L-16BX L260-N2G



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

SDS Revision: 5.0

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1.1	Product Name:	-												
1.1	DEOXIT [®] D-SERIES, 100% Solution, 0% VOC (P/N D100L)													
1.2	Chemical Name:	NA												
1.3	Synonyms:	DeoxIT® D-Series; PN D100L-16BX												
1.4	Trade Names:	DeoxIT® D100L Part Numbers:												
		Part No. D100L-16BX (1.6 ml);												
1.5	Product Use:	Clean, deoxidiz		lectronic conta	icts & con	nectors	S.							
1.6	Distributor's Name:	CAIG Laborato												
1.7	Distributor's Address:	12200 Thatche												
1.8	Emergency Phone:	CHEMTREC	C: +1 (703)	527-3887 / ·	+1 (800)) 424-	-9300) (CC	N205	5206)				
1.9	Business Phone / Fax:	+1 (800) 224-4	123											
			2. HA	ZARDS I	DENT	FIC)N						
2.1	Hazard Identification:	This product is										\$ 60	008 00	cording to t
		classification c	riteria of NOHS	SC: 1088 (200	003 001 04) and A	DG Co	ode (A	ustrali	a). D	DeoxIT	® 1009	% solut	tion is r	non-volatile a
		WARNING! C												
		_		NITATION.										
2.2	Label Elements:	Classification:												
__	Eabor Elomonia.	Hazard Statem	()											
		Precautionary												
		EYES: Rinse of												
2.3	Other Warnings:	easy to do. Co			- If eye irr	itation	persist	s: Get	medic	al adv	ice/att	ention.		
2.0	ould warnings.	KEEP OUT OF	FREACH OF C	HILDREN										
		3. CO	MPOSITI	ON & ING	REDI	ENT	INF	OR	ΙΑΤ	ION				
					-			-		-			•	
									EXPO	SURE L	IMITS IN	AIR (m	g/m³)	
						ACC	GIH		EXPO NOHSC		IMITS IN	OSHA		
						ACC pp			NOHSC ppm		IMITS IN			
HEM	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	рр	m	ES- TWA	NOHSC ppm ES-	ES-		OSHA ppm		OTHER
	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	% 100			ES- TWA NF	NOHSC ppm			OSHA		OTHER
	ICAL NAME(S) IT [®] D-Series D100L	NA		NA		pp TLV	m STEL	TWA	NOHSC ppm ES- STEL	ES- PEAK	PEL	OSHA ppm STEL	IDLH	OTHER
		NA	NA	NA		pp TLV	m STEL	TWA	NOHSC ppm ES- STEL	ES- PEAK	PEL	OSHA ppm STEL	IDLH	OTHER
		NA	NA Io. Non-Hazardou	NA	100	pp TLV NA	m STEL NA	TWA	NOHSC ppm ES- STEL	ES- PEAK	PEL	OSHA ppm STEL	IDLH	OTHER
Deox		NA REACH Reg. N	NA lo. Non-Hazardou 4. I ngested, do r	NA us/Proprietary FIRST AII not induce vo	D MEA	PP TLV NA SUF	m STEL NA RES	TWA NF	NOHSC ppm ES- STEL NF	ES- PEAK NF	PEL NA ed, dr	OSHA ppm STEL NA	IDLH NA	water or m
)eox	IT [®] D-Series D100L	NA REACH Reg. N	NA Io. Non-Hazardou 4. Ingested, do r MMEDIATELY.	NA us/Proprietary FIRST AII not induce vo . If the patien	D MEA	PP TLV NA SUF	m STEL NA RES duct h ntinue	TWA NF	NOHSC ppm ES- STEL NF een sv er wate	ES- PEAK NF vallowe	PEL NA ed, dr nilk. N	OSHA ppm STEL NA ink ple	IDLH NA enty of	water or m er or milk to a
)eox	IT [®] D-Series D100L	NA REACH Reg. N	NA Io. Non-Hazardou 4. Ingested, do r MMEDIATELY unconscious pe	NA JJS/Proprietary FIRST AII not induce vo . If the patien prson. Contact	D MEA omiting. t is vomiti t the near	PP TLV NA SUF If procing, coi est Poi	m STEL NA RES duct h ntinue ison C	TWA NF nas be to offe	NOHSC ppm ES- STEL NF een sw er wate Cente	ES- PEAK NF vallowe er or n r or loo	PEL NA ed, dr nilk. N cal em	OSHA ppm STEL NA	IDLH NA enty of give wat	water or m er or milk to a ber. Provide a
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)eox	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i U E <u>yes</u> : Splashe	NA Non-Hazardou A. I Ingested, do r MMEDIATELY Inconscious pe estimate of the swallowed. In a re not likely	NA Js/Proprietary FIRST AII not induce vo . If the patien rrson. Contact a time at whice ; however, if p	D MEA Domiting. t is vomiti t the near ch the ma	PP TLV NA SUF If proc ing, col est Poi aterial ts in th	m STEL NA RES duct h ntinue ison C was in was in	TWA NF has be to offe ontrol ngeste s, flusl	NOHSC ppm ES- STEL NF een sw er wate Cente ed and	ES- PEAK NF vallowe er or n r or loo l the a	PEL NA ed, dr nilk. N cal em amoun	OSHA ppm STEL NA ink pla lever g hergeno t of th	IDLH NA enty of jive wat cy numb ie subs	water or m er or milk to a per. Provide a tance that w
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4 .1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer	NA Non-Hazardou Ingested, do r MMEDIATELY Inconscious per estimate of the swallowed. Is are not likely east 15 minutes noroughly with 15 minutes. move victim to the respiration. Kee	NA JS/Proprietary FIRST AII FIRST AII FI	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a	PP TLV NA If procing, con- est Poi aterial tts in the lids, or e of co- athing co- athing co-	m STEL NA RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic	TWA NF NF ias be to offe ontrol ngeste s, flush nally. imme t, admi cal atte	NOHSC ppm ES- STEL NF een sweer wate Cente ed and n with o diately inister ention.	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge	PEL NA ed, dr nilk. N cal em amoun us amo skin w	OSHA ppm STEL NA ink ple lever g nergend t of th punts o	IDLH NA enty of give wat cy numb ie subs f lukewa nty of w	water or m er or milk to ber. Provide tance that w arm water for ater for at lea
4 .1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p	NA Non-Hazardou A. I Ingested, do r MMEDIATELY Inconscious per estimate of the swallowed. Is are not likely east 15 minutes. moroughly with 15 minutes. move victim to the espiration. Kee product is swalle	NA Js/Proprietary FIRST AII FIRST AII ot induce vo . If the patien groon. Contact the main at whice the patien the patient the patient t	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause	PP TLV NA If procing, con- est Poi aterial its in the lids, or e of co- athing co- athing co- athing co-	m STEL NA RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic niting a	TWA NF NF NF to offe ontrol ngeste s, flusl nally. imme t, admi cal atte	NOHSC ppm ES- STEL NF een sweer wate Cente ed and n with o diately inister ention. diarrhe	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge ea.	PEL NA ed, dr hilk. N cal em amoun is amoun is amoun skin w n. If b	OSHA ppm STEL NA ink ple lever g ergend t of th punts o rith plei reathin	IDLH NA enty of give wat cy numb e subs f lukewa nty of w ng stops	water or m er or milk to ber. Provide tance that w arm water for rater for at lea give artificial
4 .1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera	NA Non-Hazardou A. Non-Hazardou MEDIATELY Inconscious per estimate of the swallowed. Is are not likely east 15 minutes. move victim to the respiration. Kee product is swallowed. Is minutes. Move victim to the product is swallowed. Is minutes. Move victim to the Move victim to the	NA Js/Proprietary FIRST AII FIRST AII FI	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	PP TLV NA If procing, cole est Poi aterial its in the lids, or e of cole athing cole athin	m STEL NA RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic niting a exposu	TWA NF NF NF NS NS NS NS NS NS NS NS NS NS NS NS NS	NOHSC ppm ES- STEL NF een sweer wate Cente ed and n with o diately inister ention. diarrhe y includ	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge ea. de red	PEL NA ed, dr nilk. N cal em amoun is amoun is amoun skin w n. If b ness, i	OSHA ppm STEL NA ink ple hergend t of th punts o reathin reathin	IDLH NA enty of give wat cy numb e subs f lukewa nty of w ng stops irritatio	water or m er or milk to ber. Provide tance that w arm water for rater for at lea give artificial n and waterir
4 .1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be	NA Non-Hazardou A. Non-Hazardou A. MAEDIATELY Inconscious per estimate of the swallowed. Is are not likely east 15 minutes. move victim to frespiration. Kee product is swallow tely irritating to skin irritating to	NA JS/Proprietary FIRST AII FIRST AII FI	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	PP TLV NA If procing, cole est Poi aterial its in the lids, or e of cole athing cole athin	m STEL NA RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic niting a exposu	TWA NF NF NF NS NS NS NS NS NS NS NS NS NS NS NS NS	NOHSC ppm ES- STEL NF een sweer wate Cente ed and n with o diately inister ention. diarrhe y includ	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge ea. de red	PEL NA ed, dr nilk. N cal em amoun is amoun is amoun skin w n. If b ness, i	OSHA ppm STEL NA ink ple hergend t of th punts o reathin reathin	IDLH NA enty of give wat cy numb e subs f lukewa nty of w ng stops irritatio	water or m er or milk to ber. Provide a tance that w arm water for rater for at lea give artificial n and waterir
4 .1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be	NA No. Non-Hazardou A. I Ingested, do r MMEDIATELY, Inconscious per estimate of the swallowed. Is are not likely east 15 minutes. more ughly with s 15 minutes. move victim to the respiration. Kee product is swalled tely irritating to sking sensitive individed	NA JS/Proprietary FIRST AII FIRST AII FI	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o	PP TLV NA If procing, cole est Poi aterial its in the lids, or e of cole athing cole athin	m STEL NA RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic niting a exposu	TWA NF NF NF NS NS NS NS NS NS NS NS NS NS NS NS NS	NOHSC ppm ES- STEL NF een sweer wate Cente ed and n with o diately inister ention. diarrhe y includ	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge ea. de red	PEL NA ed, dr nilk. N cal em amoun is amoun is amoun skin w n. If b ness, i	OSHA ppm STEL NA ink ple hergend t of th punts o reathin reathin	IDLH NA enty of give wat cy numb e subs f lukewa nty of w ng stops irritatio	water or m er or milk to a ber. Provide a tance that wa arm water for ater for at lea give artificial n and waterin
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	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Ref Eyes: Modera Skin: May be Skin: May be Inhalation: Nau Eyes: Overexp	NA No. Non-Hazardou A. Non-Hazardou Ingested, do r MMEDIATELY, unconscious per estimate of the swallowed. Is are not likely east 15 minutes. move victim to the respiration. Kee product is swalled tely irritating to sking sensitive individed one expected. sea, intestinal co osure in eyes r	NA us/Proprietary FIRST AII not induce vo . If the patien prson. Contacle time at whice ; however, if p s lifting upper a soap and wate fresh air at once p person warn owed, may cau the eyes. Syrn n. The produce luals.	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can can miting and ness, itch	PP TLV NA If procing, con- est Poi aterial its in the lids, or- e of co- athing co- athi	RES duct h ntinue ison C was in e eyes ccasio ontact, difficult medic niting a exposu ergic s	TWA NF NF NF instantion indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated indicated in	NOHSC ppm ES- STEL NF een swee er wate Cente ed and diately diately diately diately diately diately diately diately	ES- PEAK NF vallower or n r or loo l the a copiou flush oxyge ea. de red s (e.g.	PEL NA ed, dr nilk. N cal em amoun is amo skin w n. If b ness, i , rash	OSHA ppm STEL NA ink ple lever g hergend t of th punts of reathin itching, es, wel	IDLH NA enty of give wat cy numb e subs f lukewa nty of w ng stops irritatio lts, derr	water or m er or milk to ber. Provide tance that w arm water for rater for at lea give artificial n and waterir natitis) in sor
4.1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Ref Eyes: Modera Skin: May be Skin: May be Inhalation: No Ingestion: Naus Eyes: Overexp Skin: Symptor	NA No. Non-Hazardou Ingested, do r MMEDIATELY, Inconscious pe estimate of the swallowed. Is are not likely east 15 minutes. more victim to the respiration. Kee product is swalled tely irritating to sking sensitive individed to a spected. Sea, intestinal co osure in eyes r ms of skin over	NA INA INA INA INA INA INA INA I	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can car miting and ness, itch ay include	PP TLV NA If procing, con- est Poi aterial its in the lids, or e of co- athing co- athing co- athing co- athing co- athing co- e of c	RES duct h ntinue ison C was in e eyes ccasio ontact, difficult medic niting a exposu ergic s rrhea. d wate ess, it	TWA NF NF NF nas be to offe ontrol ngeste s, flush nally. imme t, admi cal atte and/or re may skin re	NOHSC ppm ES- STEL NF een sweet water Center ed and diately diately diately diately diately diately diately diately actions	ES- PEAK NF vallowe er or n r or loo l the a copiou flush oxyge ea. de red s (e.g.	PEL NA ed, dr nilk. N cal em amoun is amo skin w n. If b ness, i , rasho	OSHA ppm STEL NA ink ple lever g lergend t of th punts o reathin itching, es, wel	IDLH NA enty of jive wat cy numb e subs f lukewa nty of w ng stops irritatio lts, derr	water or m er or milk to ber. Provide tance that w arm water for rater for at lea give artificial n and waterir natitis) in sor
4.1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i L Eyes: Splashe Skin: Wash th Inhalation: Ref Eyes: Modera Skin: May be Skin: May be Skin: May be Skin: Naus Eyes: Overexp Skin: Symptor	NA No. Non-Hazardou Ingested, do r MMEDIATELY, Inconscious pe estimate of the swallowed. Is are not likely east 15 minutes. move victim to t espiration. Kee product is swalled tely irritating to skin sensitive individ one expected. sea, intestinal co osure in eyes r ms of skin over symptoms. Th	NA INA INA INA INA INA INA INA I	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can car miting and ness, itch ay include	PP TLV NA If procing, con- est Poi aterial its in the lids, or e of co- athing co- athing co- athing co- athing co- athing co- e of c	RES duct h ntinue ison C was in e eyes ccasio ontact, difficult medic niting a exposu ergic s rrhea. d wate ess, it	TWA NF NF NF nas be to offe ontrol ngeste s, flush nally. imme t, admi cal atte and/or re may skin re	NOHSC ppm ES- STEL NF een sweet water Center ed and diately diately diately diately diately diately diately diately actions	ES- PEAK NF vallowe er or n r or loo l the a copiou flush oxyge ea. de red s (e.g.	PEL NA ed, dr nilk. N cal em amoun is amo skin w n. If b ness, i , rasho	OSHA ppm STEL NA ink ple lever g lergend t of th punts o reathin itching, es, wel	IDLH NA enty of jive wat cy numb e subs f lukewa nty of w ng stops irritatio lts, derr	water or m er or milk to ber. Provide tance that w arm water for rater for at lea give artificial n and waterir natitis) in sor
4.1 4.2	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If i L Eyes: Splashe Kin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: Naus Eyes: Overexp Skin: Symptor	NA No. Non-Hazardou Ingested, do r MMEDIATELY, Inconscious pe estimate of the swallowed. Is are not likely east 15 minutes. move victim to the espiration. Kee product is swalled tely irritating to skin irritating to skin sensitive individues r ms of skin over symptoms. The ndividuals.	NA Is/Proprietary FIRST AII not induce vo . If the patien rsson. Contact e time at whice ; however, if p s lifting upper a soap and wate fresh air at once p person ware owed, may cau the eyes. Syr h. The produce luals. discomfort, vor may cause red prexposure man he product cau	D MEA omiting. t is vomiti t the near ch the ma oroduct ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can can miting and ness, itch ay include an cause	PP TLV NA If procing, con- est Poi aterial tts in the lids, or e of co- athing co- athing co- athing co- athing co- did get e, vom f overe use alle ing ance e redne allergi	m STEL NA RES duct h ntinue ison C was in ae eyes ccasio ontact, difficult medic ntact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult medic accasio ontact, difficult accasio ontact, difficult accasio ontact, difficult accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio accasio acc	TWA NF NF NF instantion nally. imme t, admi al atte and/or re may skin re ring. ching, n reac	NOHSC ppm Es- STEL NF NF Cente ed and diately inister diarrhe y includ actions and in tions (ES- PEAK NF Vallowe er or n r or loo l the a copiou flush oxyge ea. de red s (e.g. rritatio (e.g.,	PEL NA ed, dr nilk. N cal em amoun is amoun is a	OSHA ppm STEL NA ink ple lever g hergend t of th punts o reathin itching, es, wel affected s, welt	IDLH NA enty of jive wat cy numb e subs f lukewa nty of w ng stops irritatio tts, derr d areas s, dern	water or m er or milk to a per. Provide a tance that w arm water for rater for at lea give artificial n and waterir natitis) in sor
0eox 4.1	IT [®] D-Series D100L	NA REACH Reg. N Ingestion: If If If Skin: Wash th Inhalation: Ref Ingestion: If p Eyes: Moderation: Skin: May be Inhalation: No Ingestion: Naus Eyes: Overexp Skin: Symptor Skin: Symptor Instantiation Naus Indextor State Indextor State Skin: Symptor State Symptor State Symptor State State Res State Non-irritating State	NA No. Non-Hazardou Ingested, do r MMEDIATELY, Inconscious pe estimate of the swallowed. Is are not likely east 15 minutes. move victim to t espiration. Kee product is swalled tely irritating to skin sensitive individ one expected. sea, intestinal co osure in eyes r ms of skin over symptoms. Th	NA Is/Proprietary FIRST AII not induce vo . If the patien rrson. Contact e time at whice ; however, if p s lifting upper a soap and wate fresh air at once ep person warr owed, may cau the eyes. Syr h. The product tuals. discomfort, vor may cause red erexposure man he product cau directed. Mo	D MEA omiting. t is vomiti t the near ch the ma product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can cau miting and ness, itch ay include an cause	PP TLV NA If procing, con- est Poi aterial its in the lids, or e of co- athing co- athing co- athing co- athing co- did get a, vom f overe- use alle ing ance e redne allergi	RES duct h ntinue ison C was in ne eyes ccasio ontact, difficult medic niting a exposu ergic s rrhea. d wate ess, itt ic skir	TWA NF NF NF nals be to offe ontrol ngeste s, flush nally. imme t, admi and/or re may skin re ring. ching, n reac	NOHSC ppm Es- STEL NF NF Cente ed and cer wate Cente ed and diately inister inister y includ actions and in tions (ES- PEAK NF NF er or no r or loo l the a copiou flush oxyge ea. de red s (e.g. rritatio (e.g., n near	PEL NA ed, dr nilk. N cal em amoun is amoun is a	OSHA ppm STEL NA ink ple lever g hergend t of th punts o reathin itching, es, wel affected s, welt	IDLH NA enty of jive wat cy numb e subs f lukewa nty of w ng stops irritatio tts, derr d areas s, dern	water or m er or milk to per. Provide tance that w arm water for rater for at lea give artificial n and waterin natitis) in son



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		4. FIRST A	AID MEASU	JRES –	cont'o	k				
4.5	Chronic Health Effects:	Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis.					ive individuals.			
4.6	Target Organs:	Eyes, Skin.								
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin	n conditions, an	d disorders	of the	HEALT	H			1
		target organs (eyes, skin).				FLAMM	ABILIT	Y		0
						PHYSIC	AL HA	ZARDS		0
						PROTE	CTIVE E		ENT	В
					F	EYES	SKIN			
										•
			IGHTING							
5.1	Fire & Explosion Hazards:	This product is not flammable. He temperatures to form toxic gases (e.g., CO, CO _X).			-		se at high	۱	
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical.								
5.3	Firefighting Procedures:	Fight fires as for surrounding mater breathing apparatus (pressure-de- after the fire is out. Use water sp fire upwind. Avoid spraying water Prevent runoff from fire control or any natural waterway. Firefighter pressure self-contained breathing decomposition products and oxyge	mand) and full p pray to cool fire-e r directly into sto r dilution from er rs must use full apparatus to pro	rotective ge exposed sur rage contai atering sewe bunker gear	ear. Kee faces and ners beca ers, drain r includin	ep contair d to prote ause of d s, drinkin g NIOSH	ners cool ct persor anger of g water s -approve	until wel hal. Figh boil-over supply, o d positive	t r	
		6. ACCIDEN	TAL RELE	ASE ME	ASUF	RES				
6.1	Spills:	Before cleaning any spill or lea Equipment. Plastic or rubber glov <u>Small Spills</u> : Wear appropriate pr material such as vermiculite or sa water or a material such as "spe- plastic brooms, shovels, dustpans <u>Large Spills</u> : Keep incompatible r or release. Isolate immediate haz done with minimal risk. Wear app	ves, respirator, e rotective equipme and to soak up t edy dry" to soak and place into materials (e.g., c card area and kee	ye protectio ent including he product up materia a plastic cor rganics suc ep unauthor	n and api g gloves and plac I. Sweep ntainer or h as oil) ized pers	ron may b and prote e into a c o up mate plastic lin away fron onnel out	e require ctive eye ontainer erial using er within n spill. S of area.	d for clea wear. U for later g non-sp another tay upwin Stop spi	an-up of lse a no disposa arking n containe nd and a ll or rele	large spills. on-combustible I. Do not use naterials (e.g., er. away from spill ase if it can be
			0 OTODA			TION				
7.1	Work & Hygiene Practices:	7. HANDLING Do not eat, drink or smoke when					d no od	ditional n	rotootiu	- aquinmont ia
/	Work a Hygiene Fradiceo.	necessary. Use chemical goggles								
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Avoid temperatures about damage.	ll-ventilated loca	tion (e.g., lo	ocal exha	aust venti	lation, fa	ns) away	from h	eat and direct
7.3	Special Precautions:	Clean all spills promptly. Spilled n	naterial may pres	ent a slippir	ng hazard					
0.4	Evene / toother	8. EXPOSURE CONT				UIEC		00114		OTUES
8.1	Exposure Limits: ppm (mg/m ³)		ACGIH		NOHSC ES-	ES-		OSHA		OTHER
		CHEMICAL NAME(S)	TLV STEL	ES-TWA	STEL	PEAK	PEL	STEL		NA
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) exhaust ventilation to effectively	NA General exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). NA NA							
8.3	Respiratory Protection:	instances where dusts of this properties of this protection authorized by 29 CFR	No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.							
8.4	Eye Protection:	Avoid eye contact. None required handling or using large quantities		onditions of	use. Sa	fety glass	es could	be used	when	
8.5	Hand Protection:	None required under normal con- individuals. When handling large plastic gloves.								(III)
8.6	Body Protection:	No apron required when handling wash stations and deluge showe large quantities of this product, wa	rs should be av	ailable. Up	on comp	letion of v	work acti			



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0.1	Appeorance	9. PHYSICAL & CHEMICAL PROPERTIES
9.1 9.2	Appearance: Odor:	Light red
9.2 9.3	Odor: Odor Threshold:	Ethereal / hydrocarbon odor
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling	
	Range:	>220 °C (428 °F)
9.7	Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	< 0.1 mm Hg @ 20 °C (68 °F)
9.10	Vapor Density:	NA
9.11	Relative Density:	0.884
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂).
10.3	Products: Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	
11.2	Toxicity Data:	
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 and is not presented in this document.
11.3	Acute Toxicity:	Moderate irritation to eves and skin near affected areas.
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.5	Suspected Carcinogen:	No.
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	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:	
11.7		This product is not reported to cause reproductive effects in humans.
11.7 11.8	Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	
	Irritancy of Product:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.8	Irritancy of Product: Biological Exposure Indices:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically.
11.8	Irritancy of Product: Biological Exposure Indices:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE
11.8	Irritancy of Product: Biological Exposure Indices:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product.
11.8 11.9 12.1 12.2	Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product. There is no specific data available for this product.
11.8 11.9 12.1	Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product.
11.8 11.9 12.1 12.2	Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product. There is no specific data available for this product. There are no specific data available for this product; however, very large releases of this product may be harmful or fatal
11.8 11.9 12.1 12.2	Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. 12. ECOLOGICAL INFORMATION There is no specific data available for this product. There is no specific data available for this product. There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.



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		14. TRANSPORTATIO	N INFORMATION
The	basic description (ID Numb		, packing group) is shown for each mode of transportation. Additional
14.1	49 CFR (GND):		IDGR.
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):		
14.0	ADGR (AUS):		
14.7	ADGIN (AUG).	NOT REGULATED	
		15. REGULATORY I	NFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances	ubject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quant	
15.3	TSCA Inventory Status:	The components of this product are listed on the	
15.4	CERCLA Reportable Quantity:	NA	
15.5	Other Federal Requirements:	NA	
15.6	Other Canadian Regulations:	Regulations (CPR) and the SDS contains all	o the hazard criteria of the Controlled Products of the information required by the CPR. The SL/NDSL. None of the components of this product Class D2B (Other Toxic Effects).
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substar Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Was Substances List (WI).	ncentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances nces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), shington Permissible Exposures List (WA), Wisconsin Hazardous nown to the State of California to cause cancer, birth defects, or other ww.P65Warnings.ca.gov.
15.8	Other Requirements:	NA	Will bottaminge.ou.got.
		16. OTHER INFO	ORMATION
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Use	only as directed. Avoid contact with eyes. In case of accident or if you show the label where possible). If skin irritation occurs: get medical
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to C government regulations must be reviewed fo Laboratories, Inc.'s knowledge, the informatior accuracy, suitability or completeness is not gual provided. The information contained herein rel	DSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG a contained herein is reliable and accurate as of this date; however, ranteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to
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/	CARGE LABORATORIES, INC.
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	ShipMate Dangerous Goods Training & Consulting



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SDS Revision Date: 10/10/2019

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.	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:

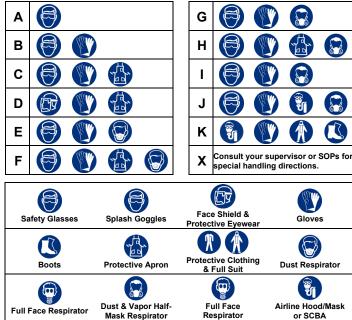
CPR Cardiopulmonary resuscitation - method in which a person whose heart stopped receives manual chest compressions and breathing to circulate b and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

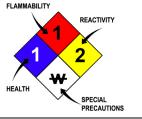
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:					
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition				
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	FLA
1	Slight Hazard	FL/
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	•
ALK	Alkaline	
COR	Corrosive	/
W	Use No Water	HE/
ох	Oxidizer	
TREEOII	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
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	Lowest concentration to cause a symptom
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
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
тс	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:

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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



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

SDS Revision: 5.0 S

	Product Name:		PRODUC													
1.1	Product Name:		⁾ GOLD G	-SERIES,	100%	Solu	utio	n, 0º	% V() OC	P/N	G10	0L)			
1.2	Chemical Name:	NG														
1.3	Synonyms:	DeoxIT® Gold	G-Series; PN (G100L-16BX												
1.4	Trade Names:	DeoxIT® G10	0L Part Numb	ers:												
		Part No. G100)L-16BX (1.6 m	1)												
1.5	Product Use:	Conditioner er	Conditioner, enhancer for plated and gold plated electronic contacts & connectors													
1.6	Distributor's Name:	CAIG Laborato		ted and gold p			oniac		meeu	515						
1.7	Distributor's Address:	12200 Thatche		/ CA 92064-6	876 USA											
1.8	Emergency Phone:	CHEMTRE				121-	9300		N205	206)						
1.9	Business Phone / Fax:	+1 (800) 224-4		521-50011	1 (000	424-	3300		11203	200)						
	Dubino of Hono / Fux.	+1 (000) 224-4	123													
			2. HA	ZARDS I	DENT	FIC/)N								
2.1	Hazard Identification:	This product i										s co	000 00	poording to th		
		This product i classification c														
		non-flammable		00. 1000 (200				uotrun	ч). с		1001	0 0010				
		WARNING! C	AUSES EYE I	RRITATION.												
		Classification:														
2.2	Label Elements:	Hazard Statem) – Causes eve	eirritation											
		Precautionary	()	,			er han	dlina	P305-	P351	+P338	– IF II	N			
		EYES: Rinse of														
		easy to do. Co														
2.3	Other Warnings:	KEEP OUT OF	FREACH OF C	HILDREN												
		3. CC	OMPOSITI	ON & INC	GREDI	ENT	INF	OR	ΙΑΤ	ION						
											IMITS IN	AIR (m		1		
						ACC			NOHSC			OSHA	1			
						рр		ES-	ppm ES-	ES-		ppm				
CHEN	NICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER		
Deox	xIT [®] GOLD G-Series G10	OL NA	NA	NA	100	NA	NA	NF	NF	NF	NA	NA	NA			
		REACH Reg. N	No. Non-Hazardo	us/Proprietary												
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	First Aid	la ventione lf :						Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk								
4.1	First Aid:		ingested, do r	not induce vo	miting.	lf proc	duct h									
4.1	First Aid:		ingested, do r IMMEDIATELY	not induce vo . If the patien	omiting. t is vomit	lf proc ng, coi	duct h ntinue	to offe	er wate	er or m	nilk. N	lever g	jive wat	er or milk to a		
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

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		4. FIRST A						
4.5	Chronic Health Effects:	Non-irritating when used as direct May also induce skin sensitization	cted. Overexpo n and respirator	osure may trigger y hypersensitivity	r asthma-like s . Possible alle	symptoms in som rgic dermatitis.	e sensit	ive individuals.
4.6	Target Organs:	Eyes, Skin.						
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin	in conditions, a	nd disorders of	the HEALT	H		1
		target organs (eyes, skin).			FLAMM	ABILITY		0
					PHYSIC	AL HAZARDS		0
					PROTE	CTIVE EQUIPN	/IENT	В
			EYES SKIN					L
				MEAGUIDE				
5.1	Fire & Explosion Hazards:							
5.2	Extinguishing Methods:	temperatures to form toxic gases (Water, Foam, CO ₂ , Dry Chemical.			ned containers			
5.3	Firefighting Procedures:						d	
		breathing apparatus (pressure-de after the fire is out. Use water sp fire upwind. Avoid spraying water Prevent runoff from fire control or any natural waterway. Firefighter pressure self-contained breathing	Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.					
		6. ACCIDEN	TAL RELE	ASE MEAS	SURES			
6.1	Spills:	Before cleaning any spill or lea Equipment. Plastic or rubber glov <u>Small Spills</u> : Wear appropriate pr material such as vermiculite or sa water or a material such as "spe- plastic brooms, shovels, dustpans <u>Large Spills</u> : Keep incompatible r or release. Isolate immediate haz done with minimal risk. Wear app	ak, individuals i oves, respirator, rotective equipr and to soak up aedy dry" to soa s) and place into materials (e.g., zard area and k	nvolved in spill eye protection ar nent including glo the product and k up material. S a plastic contain organics such as eep unauthorized	cleanup must dapron may b poves and prote place into a c Sweep up mate her or plastic lin s oil) away fron I personnel out	e required for cle ctive eyewear. I ontainer for later erial using non-sp er within another n spill. Stay upw of area. Stop sp	an-up of Jse a no disposa barking r containe ind and ill or rele	Flarge spills. on-combustible al. Do not use materials (e.g., er. away from spill ease if it can be
		7. HANDLING	& STORA		MATION			
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when necessary. Use chemical goggles	handling this p	roduct. When us	sed as intende			
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Avoid temperatures about damage.	ell-ventilated loc	ation (e.g., local	exhaust venti	lation, fans) awa	y from h	neat and direct
7.3	Special Precautions:	Clean all spills promptly. Spilled n	naterial may pre	esent a slipping h	azard.			
		8. EXPOSURE CONT	ROLS & F	PERSONAL	. PROTEC			
8.1	Exposure Limits:		ACGIH	NO	HSC	OSHA	ľ	OTHER
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV STEI		S- ES- TEL PEAK	PEL STEL	IDLH	
		NA	NA NA		IA NF	NA NA	NA	NA
8.2	Ventilation & Engineering Controls:		remove and p ontamination eq	revent buildup o uipment is availa	f vapors or m ble (e.g., sink,	ist generated fro safety shower, ey	m the h /e-wash	andling of this
8.3	Respiratory Protection:	product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.						
8.4	Eye Protection:	Avoid eye contact. None required handling or using large quantities	of this product.					\bigcirc
8.5	Hand Protection:	None required under normal con- individuals. When handling large plastic gloves.						
8.6	Body Protection:	No apron required when handling wash stations and deluge showe large quantities of this product, wa	ers should be a	vailable. Upon o	completion of v	work activities in		



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		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Light yellow
9.2	Odor:	Ethereal / hydrocarbon odor
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	>220 °C (428 °F)
9.7	Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability	NA
9.9	Limits: Vapor Pressure:	< 0.1 mm Hg @ 20 °C (68 °F)
9.10	Vapor Density:	NA
9.11	Relative Density:	0.870
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂).
10.3	Products: Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO
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 and is not presented in this document.
11.3	Acute Toxicity:	Moderate irritation to eves and skin near affected areas.
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.5	Suspected Carcinogen:	No.
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	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:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.8	Biological Exposure Indices:	NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There is no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.
		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). Disposal should be in accordance with local, state and federal
		I regulations Dispose of in accordance with tederal, state and local regulations
13.2	Special Considerations:	regulations. Dispose of in accordance with federal, state and local regulations.



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		14. TRANSPORTATIO				
The	basic description (ID Numb		n, packing group) is shown for each mode of transportation. Additional			
		required by 49 CFR, IATA/ICAO, IMDG and the C				
14.1	49 CFR (GND):	NOT REGULATED				
14.2	IATA (AIR):	NOT REGULATED				
14.3	IMDG (OCN):	NOT REGULATED				
14.4	TDGR (Canadian GND):	NOT REGULATED				
14.5	ADR/RID (EU):	NOT REGULATED				
14.6	SCT (MEXICO):	NOT REGULATED				
14.7	ADGR (AUS):	NOT REGULATED				
	(),	ROTREOGENED				
		15. REGULATORY I	INFORMATION			
15.1	SARA Reporting Requirements:	This product does not contain any substances s	ubject to SARA Title III, section 313 reporting requirements.			
15.2	SARA TPQ:	There are no specific Threshold Planning Quant	ities for the components of this product.			
15.3	TSCA Inventory Status:	The components of this product are listed on the				
15.4	CERCLA Reportable Quantity:	NA				
15.5	Other Federal Requirements:	NA				
15.6	Other Canadian Regulations:	NA This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS 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. MIS Class D2B (Other Toxic Effects).				
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substan Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Was Substances List (WI).	ncentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances nces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), shington Permissible Exposures List (WA), Wisconsin Hazardous nown to the State of California to cause cancer, birth defects, or other			
15.8	Other Requirements:	NA	ww.Poswamings.ca.gov.			
		16. OTHER INFO	ORMATION			
16.1	Other Information:		only as directed. Avoid contact with eyes. In case of accident or if you			
		feel unwell seek medical advice immediately (show the label where possible). If skin irritation occurs: get medical			
		advice/attention. KEEP OUT OF REACH OF CH	HILDREN.			
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.				
16.3	Disclaimer:	government regulations must be reviewed fo Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not gua provided. The information contained herein rel	DSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG n contained herein is reliable and accurate as of this date; however, ranteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to			
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/	EABORATORIES, INC.			
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	ShipMate Dangerous Goods Training & Consulting			



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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.	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	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:

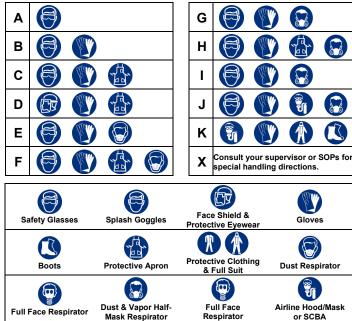
s	Cardiopulmonary resuscitation - method in which a person whose heart has topped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
a	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

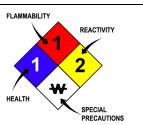
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:						
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition					
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	0 Minimal Hazard			
1	1 Slight Hazard			
2				
3				
4	Extreme Hazard			
ACD	ACD Acidic			
ALK	ALK Alkaline			
COR	Corrosive	/		
W	Use No Water	HE		
OX Oxidizer				
TREEOII	Radioactive			



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
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	Lowest concentration to cause a symptom
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
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
	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
тс	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:

\bigcirc	۲	٨		(†		R	
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:

		٨	\Diamond	A Contraction of the second se				
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment



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1.1	Product Name:					IDEN						001 V	
1.1	Floduct Name.	DEOXIT®	SHIELD	S-SERIES	<u>5, 100'</u>	% Sol	utio	n, 0%	<u>6 VOC</u>	; (P/	N S1	00L)	
1.2	Chemical Name:	NG											
1.3	Synonyms:	DeoxIT® Shiel	,										
1.4	Trade Names:	DeoxIT® Shield S100L Part Numbers:											
	Part No. S100L-16BX (1.6 ml);												
1.5	Product Use:	Lubricant and I	Protectant for e	ectronic cont	acts & cor	nectors							
1.6	Distributor's Name:	CAIG Laborato				mootoro							
1.7	Distributor's Address:	12200 Thatcher Court, Poway, CA 92064-6876 USA											
1.8	Emergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN205206)											
1.9	Business Phone / Fax:	+1 (800) 224-4		527-50077	. 1 (000	/ 424-3	500 (.05200	/			
		1 1 (000) 224 4	120										
			2. HA	ZARDS I	DENT	FICA	ΤΙΟΝ	1					
2.1	Hazard Identification:	This product i classification o non-flammable WARNING! C	criteria of NOH e. AUSES EYE II	SC: 1088 (200									
2.2	Label Elements:	Classification:											
2.2	Laber Elements.	Hazard Statem	. ,	•									
		Precautionary Statements (P): P264 – Wash thoroughly after handling. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and											
		easy to do. Co											
2.3	Other Warnings:		U		- ii eye iii	nation pe	isisis.	Get me	edical ad	vice/at	lention.		
		KEEP OUT OF	- REACH OF C	HILDREN									
		2 00	MPOSITI							1			
		3. 60							XPOSURE			a/m ³)	
						ACGIH			HSC		OSHA		
						ppm		p	om		ppm		
									S- ES-				
	ICAL NAME(S) (IT® SHIELD S-SERIES	CAS No.	RTECS No.	EINECS No.	% 100			WA ST	EL PEAP	NA	STEL NA	IDLH NA	OTHER
100			No. Non-Hazardo		100				1 11	11/1	11/1	11/1	
			4	FIRST AI		SUR	-S						
4.1	First Aid:		ingested, do i	not induce vo				been	swallov				
4.2	Effects of Exposure:	E <u>ves</u> : Splashe <u>Skin</u> : Wash tr Inhalation: Rei	IMMEDIATELY unconscious pe- estimate of the swallowed. Is are not likely east 15 minute noroughly with 15 minutes. move victim to respiration. Ke	erson. Contac e time at which r; however, if p s lifting upper soap and wate fresh air at onc ep person war	t is vomit t the near ch the m roduct ge and lower er. In cas ce. If brea m, quiet a	ing, conti est Poisc aterial wa its in the lids, occ e of cont athing diff and get m	nue to on Con as ing eyes, f asiona act, im ficult, a edical	offer v trol Ce ested a flush w lly. mediat adminis attentio	nter or lo and the ith copio tely flush ter oxygo on.	ocal en amour us amo skin v	nergend nt of th ounts o vith ple	cy numb le subs f lukewa nty of w	per. Provide a tance that wa arm water for a ater for at lea
	Effects of Exposure:	Eyes: Splashe Skin: Wash th Inhalation: Ren Ingestion: If p Eyes: Modera Skin: May be Shin: May be	unconscious pe estimate of the swallowed. ss are not likely east 15 minute horoughly with 15 minutes. move victim to respiration. Ke product is swall ately irritating to irritating to ski sensitive individ one expected.	erson. Contac e time at which s lifting upper soap and wate fresh air at ond ep person war owed, may can the eyes. Syn n. The product duals.	t is vomit t the near ch the man product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can ca	ing, conti est Poisc aterial want lids, occur e of cont athing diff and get m ea, vomiti f overexp use allerc	nue to on Con as ing eyes, f asiona act, im ficult, a <u>edical</u> ng anc oosure gic skii	offer v trol Ce ested a flush w lly. mediat adminis attentia d/or dia may in	nter or lo and the ith copio tely flush ter oxygon. rrhea. clude reo	ocal en amour us amo skin v en. If b dness,	nergend at of th ounts o vith plea preathin itching,	cy numb le subs f lukewa nty of w ng stops , irritatio	per. Provide a tance that wa arm water for a ater for at lea give artificial n and watering
	Effects of Exposure:	Eyes: Splashe Skin: Wash th Inhalation: Ren Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: Nau	unconscious pe estimate of the swallowed. ss are not likely east 15 minute horoughly with 15 minutes. move victim to respiration. Ke product is swall ately irritating to irritating to ski sensitive individ one expected. sea, intestinal of	erson. Contac e time at which r; however, if p s lifting upper soap and wate fresh air at onc <u>ep person war</u> owed, may can o the eyes. Syn n. The produc duals.	t is vomit t the near ch the man product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can ca	ing, conti est Poisc aterial wants in the lids, occur e of cont athing diff and get m ea, vomiti f overexp use allerc	nue to on Con as ing eyes, f asiona act, im ficult, a <u>edical</u> ng and oosure gic skii	offer v trol Ce ested a flush w lly. mediat adminis attentio l/or dia may in n react	nter or lo and the ith copio tely flush ter oxygon. rrhea. clude reo	ocal en amour us amo skin v en. If b dness,	nergend at of th ounts o vith plea preathin itching,	cy numb le subs f lukewa nty of w ng stops , irritatio	per. Provide a tance that wa arm water for a ater for at lea give artificial n and watering
4.2		Eyes: Splashe Skin: Wash th Inhalation: Ren Ingestion: If p Eyes: Modera Skin: May be Inhalation: Nau Eyes: Overexp	unconscious pe estimate of the swallowed. se are not likely east 15 minute horoughly with 15 minutes. move victim to respiration. Ke product is swall ately irritating to irritating to ski sensitive individ one expected. sea, intestinal of posure in eyes i	erson. Contac e time at which r; however, if p s lifting upper soap and wate fresh air at ond ep person war owed, may cau the eyes. Syn n. The produc duals. discomfort, vor may cause red	t is vomit t the near ch the man product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can ca miting and ness, itch	ing, conti est Poisc aterial want its in the lids, occur e of cont athing diff and get m ea, vomiti f overexp use allerg	nue to on Con as ing eyes, f asiona act, im ficult, a <u>edical</u> ng anc oosure gic skin uea. vaterin	offer v trol Ce ested a flush w lly. mediat adminis <u>attentid</u> d/or dia may in n react	nter or la and the ith copio tely flush ter oxygon. rrhea. clude rea ions (e.c	ocal en amour skin v en. If b dness, ., rash	nergend nt of th ounts o vith ple preathin itching, es, we	ty numb le subsi f lukewa nty of w ng stops , irritatio lts, dern	per. Provide a tance that wa arm water for ater for at lea give artificial n and waterin natitis) in som
		Eyes: Splashe Skin: Wash th Inhalation: Ref Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: Nau Eyes: Overexp Skin: Symptor	unconscious pe estimate of the swallowed. ss are not likely east 15 minute horoughly with 15 minutes. move victim to respiration. Ke product is swall ately irritating to irritating to ski sensitive individ one expected. sea, intestinal of	erson. Contac e time at which r; however, if p s lifting upper soap and wate fresh air at once <u>ep person war</u> owed, may cau the eyes. Syn n. The produce duals. discomfort, vor may cause red erexposure ma	t is vomit t the near ch the man product ge and lower er. In cas ce. If brea m, quiet a use nause mptoms o ct can ca miting and ness, itch ay include	ing, conti est Poisc aterial want its in the lids, occur e of cont athing diff and get m ea, vomiti f overexp use allerc l/or diarrh ing and we redness	nue to on Con as ing eyes, f asiona act, im ficult, a <u>edical</u> ng and osure gic skin ea. vaterin s, itchi	offer v trol Ce ested a flush w lly. mediat adminis <u>attentio</u> d/or dia may in n react g. g. ing, an	nter or lo and the ith copio tely flush ter oxygon. rrhea. clude re- ions (e.g	ocal en amour skin v en. If t dness, ., rash	nergend nt of th ounts o vith plei preathin itching, es, we	ty numb le subsi f lukewa nty of w ng stops , irritatio lts, dern d areas.	per. Provide a tance that wa arm water for ater for at lea give artificial n and waterin natitis) in son



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SDS Revision: 5.0

		4. FIRST A	AID ME	EASU	RES –	cont'	d				
4.5	Chronic Health Effects:	Non-irritating when used as direct May also induce skin sensitization	ted. Ove	erexposu piratory h	ire may tri ypersensit	igger ast tivity. Po	hma-like s ssible aller	ymptoms	in som atitis.	e sensit	ive individuals.
4.6	Target Organs:	Eyes, Skin.	•					0			
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other ski	n conditio	ons, and	disorders	of the	HEALTI	H			1
	riggiavatou by Exposure.	target organs (eyes, skin).					FLAMM	0			
							PHYSIC	0			
							PROTE	CTIVE E		IENT	В
							EYES	SKIN			
		5. FIRE	FIGHT		IEASU	RES					
5.1	Fire & Explosion Hazards:	This product is not flammable. He temperatures to form toxic gases (owever, if (e.g., CO,	f involved CO _x).	l in a fire,	this proc	duct may d	ecompos	e at higl	h	
5.2	Extinguishing Methods:		ater, Foam, CO ₂ , Dry Chemical. Use water spray to cool unopened containers.								
5.3	Firefighting Procedures:	breathing apparatus (pressure-de after the fire is out. Use water sp fire upwind. Avoid spraying wate Prevent runoff from fire control of any natural waterway. Firefighter pressure self-contained breathing	Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.								
							DEG				
6.1	Spills:	6. ACCIDEN									
		Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills. <u>Small Spills</u> : Wear appropriate protective equipment including gloves and protective eyewear. Use a non-combustible material such as vermiculite or sand to soak up the product and place into a container for later disposal. Do not use water or a material such as "speedy dry" to soak up material. Sweep up material using non-sparking materials (e.g., plastic brooms, shovels, dustpans) and place into a plastic container or plastic liner within another container. <u>Large Spills</u> : Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away from spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant.									
		7. HANDLING									
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when necessary. Use chemical goggles									
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Avoid temperatures abordamage.	ll-ventilate ve 120 °F	ed locati . Keep a	on (e.g., I away from	ocal exh incompa	aust ventil tible subst	ation, far ances. P	ns) away Protect co	/ from h ontainers	eat and direct s from physical
7.3	Special Precautions:	Clean all spills promptly. Spilled n	naterial m	ay prese	nt a slippi	ng hazar	d.				
		8. EXPOSURE CONT	ROI S	& PF	RSON		ROTEC				
8.1	Exposure Limits:		ACC			NOHSC			OSHA		OTHER
	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
		NA	NA	NA	NA	NA	NF	NA	NA	NA	NA
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) exhaust ventilation to effectively product. Ensure appropriate deco	remove	and prev	ent buildu	up of va	pors or mi	ist genera	ated fror	n the h	andling of this
8.3	generation product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where dusts of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.										
8.4	Eye Protection:	Avoid eye contact. None required handling or using large quantities	of this pro	oduct.							\bigcirc
8.5	Hand Protection:	None required under normal con individuals. When handling large plastic gloves.	quantities	s (e.g., ≥	1 gallon	(3.8 L)),	wear rubb	er, nitrile	or impe	rvious	
8.6											



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

SDS Revision: 5.0

		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	
9.2	Odor:	Ethereal / hydrocarbon odor
9.3	Odor Threshold:	NA
9.4	pH:	NA
9.5	Melting Point/Freezing Point:	NA
9.6	Initial Boiling Point/Boiling Range:	>220 °C (428 °F)
9.7	Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	< 0.1 mm Hg @ 20 °C (68 °F)
9.10	Vapor Density:	NA
9.11	Relative Density:	0.893
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂).
10.3	Hazardous Polymerization:	Will not occur.
10.4	Conditions to Avoid:	Open flames, sparks, high heat, incompatible substances and direct sunlight.
10.5	Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
11.1	Routes of Entry:	11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: NO
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 and is not presented in this document.
11.3	Acute Toxicity:	
	Acute Toxicity: Chronic Toxicity:	available for some of the components of the product and is not presented in this document.
11.4		available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas.
11.4 11.5	Chronic Toxicity:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.4 11.5	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No.
11.4 11.5	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans.
11.4 11.5	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans.
11.4 11.5 11.6	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans.
11.4 11.5 11.6	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.4 11.5 11.6 11.7 11.8	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE
11.6	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.4 11.5 11.6 11.7 11.8	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE
11.4 11.5 11.6 11.7 11.8 11.9	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically.
11.4 11.5 11.6 11.7 11.8 11.9 12.1	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product.
11.4 11.5 11.6 11.7 11.8 11.9 12.1 12.2	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product.
11.4 11.5 11.6 11.7 11.8	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product. There are no specific data available for this product; however, very large releases of this product may be harmful or fata to overexposed aquatic life.
11.4 11.5 11.6 11.7 11.8 11.9 12.1 12.2	Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	available for some of the components of the product and is not presented in this document. Moderate irritation to eyes and skin near affected areas. This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There is no specific data available for this product. There are no specific data available for this product; however, very large releases of this product may be harmful or fatal



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

SDS Revision: 5.0

		14. TRANSPORTATIO	N INFORMATION
The	basic description (ID Numb	per, proper shipping name, hazard class & division	, packing group) is shown for each mode of transportation. Additional
desc 14.1	49 CFR (GND):	required by 49 CFR, IATA/ICAO, IMDG and the C	IDGR.
14.1	IATA (AIR):	NOT REGULATED	
	IMDG (OCN):	NOT REGULATED	
14.3	, ,	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		15. REGULATORY I	NFORMATION
15.1	SARA Reporting Requirements:		ubject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quant	
15.3	TSCA Inventory Status:	The components of this product are listed on the	
15.4	CERCLA Reportable Quantity:	NA	
15.5	Other Federal Requirements:	NA	
15.6	Other Canadian Regulations:	This product has been classified according t Regulations (CPR) and the SDS contains all	o the hazard criteria of the Controlled Products of the information required by the CPR. The SL/NDSL. None of the components of this product Class D2B (Other Toxic Effects).
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substan Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Was Substances List (WI).	ncentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances nces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), shington Permissible Exposures List (WA), Wisconsin Hazardous nown to the State of California to cause cancer, birth defects, or other www P65Warnings ca gov
15.8	Other Requirements:	NA	
		16. OTHER INFO	ORMATION
16.1	Other Information:		only as directed. Avoid contact with eyes. In case of accident or if you show the label where possible). If skin irritation occurs: get medical IILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed fo Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not gua provided. The information contained herein rel	DSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG n contained herein is reliable and accurate as of this date; however, ranteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be considered. Data may be changed from time to time. Be sure to
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/	CARIES, INC.
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	ShipMate Dangerous Goods Training & Consulting



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

SDS Revision: 5.0

SDS Revision Date: 10/10/2019

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.	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	ACGIH American Conference on Governmental Industrial Hygienists					
IDLH	Immediately Dangerous to Life and Health					
NOHSC	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:

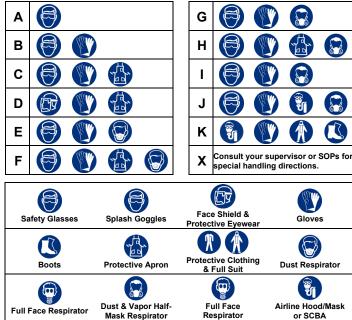
CPR Cardiopulmonary resuscitation - method in which a person whose heart stopped receives manual chest compressions and breathing to circulate b and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

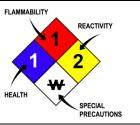
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA FLAMMABILITY LIMITS IN AIR:

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
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	0 Minimal Hazard					
1	1 Slight Hazard					
2						
3	Severe Hazard					
4	Extreme Hazard					
ACD	Acidic					
ALK	Alkaline					
COR	Corrosive	/				
W	Use No Water	HE				
ох	Oxidizer					
TREEOII	Radioactive					



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
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	Lowest concentration to cause a symptom
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{io} , & LC _o	
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

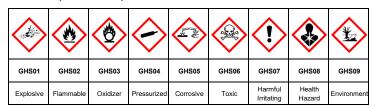
REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
тс	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:

\bigcirc	۲	٨		(†		R	Ĩ
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:





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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

Inhalation:

None expected.

SDS Revision: 4.0

Prepa	red to OSHA, ACC, ANSI, N	OHSC, WHMIS,	2001/58 & 1272/	2008/EC Standard	ds		SDS I	Revision	: 4.0	SD	S Revisior	n Date: 1	0/10/2019
		1	PRODUC	T & COM	ΡΔΝν								
.1	Product Name:			E, TYPE L						;)			
.2	Chemical Name:	NA	/ 0	,						1			
3	Synonyms:	DeoxIT® Gr	ease L260Np 60-N2G (2 gram										
1	Trade Names:		xIT [®] Grease Type L260-N2G										
j	Product Uses & Restrictions:	Lubricant for	r mechanical and electrical applications										
6	Distributor's Name:	CAIG Labora	tories, Inc.										
7	Distributor's Address:		cher Court, Poway, CA 92064-6876 USA										
8	Emergency Phone:	CHEMTRE	EC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN205206)										
1.9 Business Phone / Fax: +1 (800) 224-4123													
			2. H	AZARDS I		IFIC)N					
2.1	Hazard Identification:	classification (w/w%) DMS	product is classified as a HAZARDOUS SUBSTANCE but not as DANGEROUS GOODS according to the ification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). The highly refined mineral oil contains < 3% (%) DMSO extract, according to IP346. GER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.										
.2	Label Elements:	Precautionar IF ON SKIN call a POISC section 4 of continuously continue rins	Hazard Statements (H): H304 – May be fatal if swallowed and enters airways. Precautionary Statements (P): P280 – Wear protective gloves and eye protection. P302 + P352 – F ON SKIN – Wash with plenty of soap and water. P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 – Do NOT induce vomiting. P321 – Refer to section 4 of this Safety Data Sheet (First Aid). P305+P351+P338 – IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P405 – Store locked up. P501 – Dispose of contents/container through licensed treatment, storage or disposal facility.										
3	Other Warnings:	KEEP LOCK	ED UP AND O	UT OF REACH	OF CH	LDREN.	•						
		3 0					INE	ORM		N			
		0.0									IN AIR (mg	n/m ³)	
						ACG	ЯH	N	OHSC		OSHA	,,	
						ррі	m		ppm		ppm		
				EINECS No.	97	T I V	OTEL			S-	OTEL		OTUED
THI	CAL NAME(S) JM GREASE LUBRICATING	CAS No.	RTECS No. NA	NA	% 60-100	TLV NA	STEL NA	TWA S	1	AK PEL IF NA	STEL NA	IDLH NA	OTHER
				-									
	AINS ONE OR MORE OF T LATES (PETROLEUM),	64742-65-0	SE7500000	265-169-7	NA	5	10	NF	NF N	IF 100	10	NA F	RESP MIST
	ENT-DEWAXED HEAVY				1.07	5	10	141			10		
ARA	FFINIC	Ţ	No. 01-2119471										
	OUAL OILS (PETROLIUM)	64742-01-4	NA	265-101-6	NA	5	10	NF	NF N	IF 5	10	NA F	RESP MIST
	ENT-REFINED LLATES (PETROLEUM),		No. 01-2119488 PY8040500		NA	5	10				10		RESP MIST
	ENT-DEWAXED HEAVY				NA	5	10	INF		IF J	10		
	FFINIC	REACH Reg.	No. 01-2119488	706-23									
	ALKYLDITHIOPHOSPHATE	68649-42-3	NA	272-028-3	NA	NA	NA	NF	NF N	IF NA	NA	NA	
		TRADE SEC	e; Skin Irrit. 2; Eye Dam. 1; Aq. Chronic 2; H315, H318, H411 RET NA NA NA NA NF NF NA NA NA NA NA NA										
oxl	I® PROPRIETARY MIX		No. Non-Hazard	ous/Proprietary	NA	NA	NA	NF	NF N	IF NA	NA	NA	
	I	1		FIRST AI									
.1	First Aid:	Ingestion: Eyes: Skin: Inhalation:	IMMEDIATEL unconscious estimate of t swallowed. Splashes are water for at le Wash thoroug least 15 minu Remove victir	do not induce Y. If the patier person. Contac he time at which not likely; how past 15 minutes ghly with soap a tes. n to fresh air at ration. Keep pe	nt is vom t the near ch the r vever, if lifting up nd water once. If	iting, co arest Po naterial product per and . In cas breathin	ntinue ison C was i gets i lower e of co ng diffi	to offe control (ngestec in the e lids, occ ontact, i cult, adu	r water o Center o d and th eyes, flu casional mmedia minister	or milk. r local e ne amou sh with ly. tely flusl oxygen.	Never g mergend int of th copious n skin wi	ive wat cy numb e subst amoun th plent	er or milk to a ber. Provide a tance that wa ts of lukewarr y of water for a
2	Effects of Exposure:	Ingestion: Eyes:	If product is s Moderately in watering.	wallowed, may or ritating to the ex	cause na yes. Sy	ausea, te mptoms	empora of ove	ary gast erexpos	rointesti sure may	nal irrita / include	rednes	s, itchin	g, irritation an
		Skin: Inhalation	some sensitiv		= produc	i can ca	use al	nergic s	ini reac	uons (e.	y., rasne	es, welt	s, uermauus) I



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			4. FIRST AID MEAS	SURES – conť	d					
4.3	Symptoms of Overexposure:	Ingestion:	Nausea, intestinal discomfort, von	niting and/or diarrhea.						
		Eyes: Overexposure in eyes may cause redness, itching and watering.								
		<u>Skin</u> :								
			like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals.							
4.4	Acute Health Effects:		Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.							
4.5	Chronic Health Effects:	None reporte	ed by the manufacturer.							
4.6	Target Organs:	Eyes, Skin								
4.7	Medical Conditions	Pre-existing	dermatitis, other skin conditions,	and disorders of the	HEALTH	1		1		
	Aggravated by Exposure:	target organ	s (eyes, skin).		FLAMM	ABILITY		0		
					PHYSIC	AL HAZARDS		0		
					PROTEC		/ENT	В		
					EYES	SKIN				
						ortait				
			5. FIREFIGHTING							
5.1	Fire & Explosion Hazards:		is not flammable. However, if involutions in the set of the set o		duct may d	ecompose at hig	Jh			
5.2	Extinguishing Methods:	Water, Foam	n, CO ₂ , Dry Chemical. Use water sp	oray to cool unopened	containers.					
5.3	Firefighting Procedures:		s for surrounding materials. As in ar							
			pparatus (pressure-demand) and fu							
			is out. Use water spray to cool fir Avoid spraying water directly into							
			off from fire control or dilution from					Y		
			waterway. Firefighters must use fu							
			f-contained breathing apparatus to		tial hazardo	ous combustion	or			
		decompositi	on products and oxygen deficiencies	3.						
			6. ACCIDENTAL RELI							
6.1	Spills:		ning any spill or leak, individuals	involved in spill clea	anup must	wear appropriation	te Personal F	Protective		
		Equipment.								
			<u>pills</u> (e.g., < 1 gallon (3.8 L)) we entilation (open doors and windov							
		appropriate	closed container(s) for disposal. Di	spose of properly in a	ccordance v	with local. state a	and federal re-	aulations.		
			fected areas and outside of contain							
		-	wash thoroughly before reuse.							
		For large s	<u>pills</u> (e.g., ≥ 1 gallon (3.8 L)), den	y entry to all unproted	cted individ	uals. Dike and	contain spill	with inert		
			g., sand or earth). Transfer prod ntainers for proper disposal. Rem							
			ater. Keep spills and cleaning runof							
		<u></u>	J							
		7	7. HANDLING & STOR	AGE INFORM	ATION					
7.1	Work & Hygiene Practices:		drink, or smoke while handling this p							
			materials. Avoid contamination fro		ng metals,	dust and organ	ic materials. I	Keep bulk		
7.2	Storage & Handling:		sh unintentional residues with soap				ation Kaar			
1.2	otorage a nanuling.		peratures between 59 °F and 95 ° , open flame, and other sources o							
			empty container or it may rupture wi				51033016. DU			
7.3	Special Precautions:		erial may present a slipping hazard				Empty contai	ners mav		
			luct residues. Avoid contaminating							
		bodies of wa	ter.	-		-				



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8.1	Exposure Limits:	8. EXPOSURE CON	1	~	_						OTUER						
	Exposure Limits: ppm (mg/m ³)				50 TM/A	NOHSC		DEI	OSHA	151.11	OTHER						
	PP (9,)	CHEMICAL NAME(S) DISTILLATES (PETROLEUM),	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH							
		SOLVENT-DEWAXED HEAVY	5	10	NF	NF	NF	100	10	NA	RESP MIST						
		PARAFFINIC	-	-					-								
		RESIDUAL OILS (PETROLIUM)	5	10	NF	NF	NF	5	10	NA	RESP MIST						
		SOLVENT-REFINED DISTILLATES (PETROLEUM),															
		SOLVENT-DEWAXED HEAVY	5	10	NF	NF	NF	5	10	NA	RESP MIST						
		PARAFFINIC															
3.2	Ventilation & Engineering Controls:	When working with large quantit							al exhau	ist venti	lation, fans). Ens						
		that an eyewash station, sink or						,									
8.3	Respiratory Protection:	No special respiratory protection necessary, use only respirator															
		§1910.134, or applicable U.S.															
		provinces, E.C. member states,			0110, 01 1				ound	uu, 110							
8.4	Eye Protection:	Wear protective eyewear (e.g.	safety	glasse	s with sid	e-shield) a	at all times	when	handlii	ng this							
		product. Always use protective	e eyew	ear whe	en cleaning	g spills or											
		special hazard; soft lenses may															
8.5	Hand Protection:	None required under normal									CONV.						
		sensitive individuals. When h impervious plastic gloves.	andling	large o	quantities	(e.g., ≥ 1	yalion (3.8	∟)), W	vear rub	oner or							
3.6	Body Protection:	No apron required when hand	ling em		ntitios M	lhon hand	lling Jarge	auantit	tios (o c	1 > 1							
		gallon), eye wash stations and															
		activities involving large quantit															
		and water.		•		, ,				•							
		9. PHYSICAI	_ & C	HEM		PROPE	RTIES										
9.1	Appearance:	Amber liquid															
9.2	Odor:	Ethereal / hydrocarbon odor															
9.3	Odor Threshold:	NA															
9.4	pH:	NA															
9.5	Melting Point/Freezing Point:	NA															
9.6	Initial Boiling Point/Boiling Range:	>240 °C (464 °F)															
9.7	Flashpoint:	> 244 °C (471 °F) COC (Clevela	and Ope	en Cup)													
9.8	Upper/Lower Flammability	NA		eup/													
2.0	Limits:																
9.9 9.10	Vapor Pressure:	<0.01 mmHg															
4 10	Vapor Density:	NA															
	Relative Density:	0.72															
9.11	Solubility:	Insoluble															
9.11 9.12	Destition Coefficient (Inc. D.)								NA								
9.11 9.12 9.13	Partition Coefficient (log Pow):																
9.11 9.12 9.13 9.14	Autoignition Temperature:	NA															
9.11 9.12 9.13 9.14 9.15	Autoignition Temperature: Decomposition Temperature:	NA NA															
9.11 9.12 9.13 9.14 9.15 9.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA 5.4-7.5 cSt															
0.11 0.12 0.13 0.14 0.15 0.16	Autoignition Temperature: Decomposition Temperature:	NA NA															
0.11 0.12 0.13 0.14 0.15 0.16	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA 5.4-7.5 cSt	ABIL	ITY 8	k REAC	TIVIT	Y										
9.11 9.12	Autoignition Temperature: Decomposition Temperature: Viscosity:	NA NA 5.4-7.5 cSt NA	ABIL	ITY 8	k REAC	TIVIT	Y										
9.11 9.12 9.13 9.14 9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition	NA NA 5.4-7.5 cSt NA 10. ST This product is stable.						ngerou	s press	ure							
9.11 9.12 9.13 9.14 9.15 9.16 9.17 10.1 10.2	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition Products:	NA NA 5.4-7.5 cSt NA 10. ST This product is stable. Oxides of carbon (CO, CO ₂) and						ngerou	s press	ure.							
9.11 9.12 9.13 9.14 9.15 9.16 9.17	Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information: Stability: Hazardous Decomposition	NA NA 5.4-7.5 cSt NA 10. ST This product is stable.	l sulfur	(SO ₂). L				ngerou	s press	ure.							



Other Requirements:

NA

15.8

SAFETY DATA SHEET

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		11. TOXICOLOGICAL INFORMATION									
11.1	Routes of Entry:	Inhalation: YES 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 and is not presented in this document.									
11.3	Acute Toxicity:	Moderate irritation to eyes and skin near affected areas.									
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).									
11.5	Suspected Carcinogen:	NO. The highly refined mineral oil contains < 3% (w/w%) DMSO extract, according to IP346.									
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.									
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans. This product contains Alkyl Dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic.									
	Embryotoxicity:	s product is not reported to produce embryotoxic effects in humans.									
	Teratogenicity:	is product is not reported to cause teratogenic effects in humans.									
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.									
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.									
11.8	Biological Exposure Indices:	NE									
11.9	Physician Recommendations:	Treat symptomatically.									
		12. ECOLOGICAL INFORMATION									
12.1	Environmental Stability:	There is no specific data available for this product.									
12.2	Effects on Plants & Animals:	There are no specific data available for this product.									
12.3	Effects on Aquatic Life:										
		13. DISPOSAL CONSIDERATIONS									
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate									
		disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler.									
13.2	Special Considerations:	NA									
		14. TRANSPORTATION INFORMATION									
desc	riptive information may be	nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.									
14.1	49 CFR (GND):	NOT REGULATED									
14.2	IATA (AIR):	NOT REGULATED									
14.3	IMDG (OCN):	NOT REGULATED									
14.4	TDGR (Canadian GND):	NOT REGULATED									
14.5	ADR/RID (EU):	NOT REGULATED									
14.6	SCT (MEXICO):										
14.7	ADGR (AUS):	NOT REGULATED									
		15. REGULATORY INFORMATION									
15.1	SARA Reporting Requirements:	This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-know Act of 1986 and of CFR 372; 68649-42-3 Zinc Alkyldithiophosphate									
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.									
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.									
15.4	CERCLA Reportable Quantity	NA									
15.5	(RQ): Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G,									
15.6	Other Canadian Regulations:	(Cosmetics). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS 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.									
15.7	State Regulatory Information:	No other 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). This product <u>does not</u> contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.									
	i										



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		16. OTHER INF	ORMATION				
16.1	6.1 Other Information: DANGER! MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS. Avoid contact with the eyes. Wear protective gloves and eye protection. IF ON SKIN – Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Specific Treatment: refer to Section 4 of the Safety Data Sheet (First Aid). IF IN EYES - Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Store locked up. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.						
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.					
16.3	Disclaimer:	government regulations must be reviewed for Laboratories, Inc.'s knowledge, the informatic accuracy, suitability or completeness is not gue provided. The information contained herein re	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other or applicability to this product. To the best of ShipMate's & CAIG in contained herein is reliable and accurate as of this date; however, aranteed and no warranties of any type, either expressed or implied, are plates only to the specific product(s). If this product(s) is combined with t be considered. Data may be changed from time to time. Be sure to				
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/	EXAMPLE CANED LABORATORIES, INC.				
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	ShipMate Dangerous Goods Training & Consulting				



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SDS Revision Date: 10/10/2019

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.	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	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:

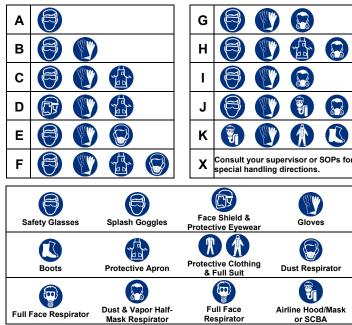
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTIO
4	Extreme Hazard	

PERSONAL PROTECTION RATINGS:



OTHER STANDARD ABBREVIATIONS:

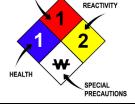
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF Not Found	
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY LIMITS IN AIR:					
Autoignition Minimum temperature required to initiate combustion in air with no other a of ignition						
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
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	(1
ALK	Alkaline	
COR	Corrosive	
W	Use No Water	HEALTH
OX	Oxidizer]
TREFOIL	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals		
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	Lowest concentration to cause a symptom		
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects		
TC, TC _o , LC _{io} , & LC _o			
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		
тс	Transport Canada		
EPA	U.S. Environmental Protection Agency		
DSL	Canadian Domestic Substance List		
NDSL	NDSL Canadian Non-Domestic Substance List		
PSL	Canadian Priority Substances List		
TSCA	U.S. Toxic Substance Control Act		
EU	EU European Union (European Union Directive 67/548/EEC)		
WGK	Wassergefährdungsklassen (German Water Hazard Class)		

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲	٢		(†			Ĩ
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	A Contraction of the second se				
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment