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SDS-E-AX100L

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

SDS Revision: 4.3

		1. 1	PRODUCT	F & COM	PANY	IDEN 1	ΓIFIC <i>!</i>	ATION	I				
1.1	Product Name:	DEOXIT®	AXE WIF	PES. 100°	% Sol	ution.	0% V	OC (P	/N <i>A</i>	X10	00L)		
.2	Chemical Name:	NA											
.3	Synonyms:	DeoxIT® Axe V	Wipes; PN AX10	00L									
.4	Trade Names:	DeoxIT® Axe	Wipe Part Nun	nbers:									
		Part No. AX1V	,		No. AX3	,					<50W;		
		Part No. K-AX	1W-25;	Part	No. K-A	X1W-50;			Part I	No. Aک	<100L-	32;	
.5	Product Use:	Clean deoxidiz	ze & improve el	ectronic conta	icts & cor	nectors							
.6	Distributor's Name:	CAIG Laborato		ooti oriio oorito	010 0 001								
.7	Distributor's Address:	12200 Thatche	er Court, Poway	, CA 92064-68	376 USA								
.8	Emergency Phone:	CHEMTRE	C: +1 (703) 5	27-3887 /	+1 (800) 424-93	300 (C(CN205	206)				
.9	Business Phone / Fax:	+1 (800) 224-4			(
	•	1 (/											
			2. HA	ZARDS I	DENT	IFICAT	<u> </u>						
2.1	Hazard Identification:		is classified as										
			riteria of NOHS	SC: 1088 (200	04) and A	ADG Code	e (Austra	lia). De	eoxIT®	100%	6 solut	ion is n	on-volatile ar
		non-flammable											
		WARNING! C	AUSES EYE IR	RITATION.									
	Label Elemente	Classification:											
2	Label Elements:	Hazard Statem	nents (H): H320	 Causes eye 	irritation								
			Statements (P):										
			cautiously with									d	
.3	Other Warnings:		ontinue rinsing.		- II eye III	itation per	isisis. Ge	et medica	ai auvi	ce/alle	ention.		
	3.	KEEP OUT OF	F REACH OF C	HILDREN									
		3 CO	MPOSITION	ON & INC	RFDI	FNT IN	VFOR	ΜΔΤΙ	ON				
		<u> </u>					11 011			WITS IN	AIR (mg	a/m³)	
						ACGIH		NOHSC			OSHA		
						ppm		ppm			ppm		
	ICAL NAME(S)						ES-	ES-	ES- PEAK		STEL	IDLH	OTHER
HEM		ICAS No.	IRTECS No.	EINECS No.	%	TLV ST	TEL TWA	STEL		PEL			
	IT® A V100I	CAS No.	NA	NA	100		TEL TWA	NF	NF	PEL NA	NA	NA	
	:IT [®] AX100L	NA		NA								NA	-
	:IT® AX100L	NA	NA No. Non-Hazardou	NA is/Proprietary	100	NA N	NA NF					NA	
еох		NA REACH Reg. N	NA No. Non-Hazardou 4. F	NA Is/Proprietary	100 D ME	ASURE	NA NF	NF	NF	NA	NA		
еох	AX100L First Aid:	NA REACH Reg. N Ingestion: If i	NA No. Non-Hazardou 4. Fingested, do n	NA Is/Proprietary FIRST All ot induce vo	D ME	ASURE If produc	NA NF	NF Deen sw	NF	NA d, dri	NA nk ple	enty of	water or mi
еох		NA REACH Reg. N Ingestion: If i	NA No. Non-Hazardou 4. Fingested, do n IMMEDIATELY.	INA IS/Proprietary FIRST All ot induce vo If the patien	D ME	ASURE If producing, contin	ES ct has be nue to of	neen swafer water	NF allower or m	na d, dri ilk. N	nk ple	enty of ive wate	water or mi
еох		NA REACH Reg. N Ingestion: If i	NA No. Non-Hazardou 4. Fingested, do n	FIRST All ot induce vole of the patien rson. Contact	D ME/omiting. t is vomit the nea	ASURE If producting, continuest Poiso	ES ct has be nue to of on Control	neen swafer water	allower or m	d, dri ilk. N al em	nk ple ever g	enty of ive wate	water or miler or miler or milk to a
еох		NA REACH Reg. N Ingestion: If i	A. Fingested, do nimmediately. unconscious peetimate of the swallowed.	FIRST All ot induce vo If the patien rson. Contactime at whice	D ME/ omiting. t is vomit t the nea	ASURE If producing, continuest Poiso aterial was	ES ct has become to of control contro	neen swafer water	allower or mor loc the a	d, dri ilk. N al em mount	NA ple ever g ergence	enty of ive wate by numb e subst	water or mi er or milk to a er. Provide a ance that wa
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eox	First Aid:	NA REACH Reg. N Ingestion: If i	A. In the second of the second	FIRST All ot induce volume at which however, if particular and water and wat	D MEA mitting. t is vomit t the nea ch the m product grand lowe er. In case ce. If bre m, quiet is use naus mptoms of	ASURE If producting, conting the set Poiso atterial was set of contact atthing different per poison and get mand get ma	ES ct has because of the control of	neeen sweeten	allower or mor loc the a opious flush soxyger a. e redr	d, dri ilk. N al em mount s amo	nk ple ever g ergence t of th unts of th pler reathin	enty of ive water y number substitute water to	water or miler or miler or milk to a ler. Provide a lance that water for atter for at leading give artificial on and watering
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eox	First Aid:	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rer Ingestion: If p Eyes: Modera Skin: May be Inhalation: No	A. Fingested, do not make the swallowed. The swallowed. The same the swallowed. The swallowed in the swallowed. The swallowed in the swallowed	FIRST All ot induce vo If the patien rson. Contactime at which however, if particular industrial in	D MEA miting. t is vomit t the nea ch the m product grand lowe er. In case ce. If bre m, quiet a use naus mptoms of ct can ca	NA NA NASURE If producting, conting rest Poison aterial was the set of contant athing different get, vomiting overexpuse allergent in the set of the set of contant in the set of the set	thas because of the second of	neeen sweeten	allower or mor loc the a opious flush soxyger a. e redr	d, dri ilk. N al em mount s amo	nk ple ever g ergence t of th unts of th pler reathin	enty of ive water y number substitute water to	water or miler or miler or milk to a ler. Provide a lance that water for atter for at leading give artificial on and waterin
14.1	First Aid: Effects of Exposure:	NA REACH Reg. N Ingestion: If i Eyes: Splashe Skin: Wash th Inhalation: Rei Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: Nau	A. Fingested, do not make the swallowed. The swallowed. The same not likely; east 15 minutes more ughly with same vertical to frespiration. Kee product is swallowed; irritating to skirsensitive individes.	FIRST All ot induce vo If the patien rson. Contactime at which however, if particular industrial in	D MEA omiting. t is vomit t the nea ch the m product grand lowe er. In case ce. If bre m, quiet a use naus mptoms of ct can ca	NA NA ASURE If producting, conting rest Poiso aterial was ets in the etail of the contact of t	ES thas because the series of	neeen sweeten	allower or mor loc the a opious flush soxyger a. e redr	d, dri ilk. N al em mount s amo	nk ple ever g ergence t of th unts of th pler reathin	enty of ive water y number substitute water to	water or miler or miler or milk to a ler. Provide a lance that water for atter for at leading give artificial on and waterin
	First Aid: Effects of Exposure:	Ingestion: If ingestion: Not	A. Fingested, do not make the swallowed. The swallowed. The same the swallowed. The swallowed is are not likely; east 15 minutes moroughly with some the swallowed. The swallowed is a swallowed in the swallowed	FIRST All ot induce vo If the patien rson. Contactime at which however, if particular industrial in	D MEA omiting. t is vomit t the nea ch the m product grand lowe er. In case ce. If bre m, quiet a use naus mptoms of ct can ca	NA NA NA SURE If producting, conting rest Poiso aterial was est in the earlies occase of contact athing different pean, vomiting overexpuse allerged/or diarrhing and was allerged/or dia	ES tt has because the service of th	peen swefer water of control of the	allower or or mor loc the a opious flush s oxyger.	d, drilk. N al emmount s amo	nk ple ever g ergence t of th unts of th pler reathin tching, es, wel	enty of ive water y number substitute water to	water or miler or miler or milk to a ser. Provide a sance that water for at leading give artificial and watering natitis) in some
eox	First Aid: Effects of Exposure:	NA REACH Reg. N RE	Ingested, do not make the swallowed. It is minuted to some victim to frespiration. Kee the swallowed is are not likely; east 15 minuted to some victim to frespiration. Kee the swallowed is swallowed. It is minuted to see the swallowed in the sw	FIRST All ot induce vo If the patien rson. Contactime at which however, if particular industrial in	D MEA omiting. t is vomit t the nea ch the m product grand lowe er. In case ce. If bre m, quiet a use naus mptoms of ct can ca	NA N	ES thas because of the series	peen swafer water of center and sh with continuous and interest and in	NF allower or or mor loc the a opious flush s oxyger a. e redre (e.g.,	d, drilk. N al em- mount s amo kin wi . If br	nk ple ever gergence of the units of the treathin exching, es, wel	enty of ive water y number substitution of water irritation ts, derni	water or mer or milk to a ser. Provide a sance that water for at lease give artificial and watering and watering and watering and watering and watering for some series of the series of
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		4. FIRST A	AID MEASU	RES -	cont′(d				
.5	Chronic Health Effects:	Non-irritating when used as direct May also induce skin sensitization							sensit	ive individ
6 7	Target Organs:	Eyes, Skin.								
7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin conditions, and disorders of the			HEALTH	1			1	
		target organs (eyes, skin).				FLAMM	ABILIT	Υ		0
						PHYSIC	AL HAZ	ZARDS		0
						PROTE			ENT	В
						EYES	SKIN		LIVI	
	l					LILO	JANIN			
1	Fire & Explosion Hazards:		FIGHTING N			(
	·	This product is not flammable. He temperatures to form toxic gases (d in a fire, t	tnis prod	uct may d	ecompos	se at nign	1	
2	Extinguishing Methods: Firefighting Procedures:	Water, Foam, CO ₂ , Dry Chemical. Fight fires as for surrounding mate								_
		breathing apparatus (pressure-de after the fire is out. Use water sp fire upwind. Avoid spraying wate Prevent runoff from fire control or any natural waterway. Firefighter pressure self-contained breathing decomposition products and oxygen	oray to cool fire-ex r directly into stor r dilution from ent rs must use full b apparatus to pro	xposed surf rage contair tering sewe ounker gear	faces and ners bec ers, drain includin	d to proted ause of da s, drinking g NIOSH-	ct persor anger of g water s approved	nal. Fight boil-over. supply, or d positive		1 0
		6. ACCIDEN	TAL RELEA	SE ME	ASUF	RES				
		material such as vermiculite or s	and to soak up th	o product a	and nlac	a inta a co	ontoinor	for loter	diennes	
		water or a material such as "spe plastic brooms, shovels, dustpans <u>Large Spills</u> : Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app	edy dry" to soak a) and place into a materials (e.g., or ard area and kee	up material plastic con ganics such punauthorize	I. Swee stainer or h as oil) zed pers	p up mate plastic line away from onnel out	erial using er within n spill. So of area.	g non-spa another o tay upwir Stop spil	arking r containend and and l	naterials (er. away from ase if it ca
		plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING	edy dry" to soak a) and place into a materials (e.g., or card area and kee propriate protective	up material plastic con ganics such p unauthorize equipmen	I. Swee tainer or h as oil) zed pers t includir	p up mate plastic line away from connel out ng respirat	erial usinç er within n spill. S of area. ory prote	g non-spa another o tay upwir Stop spil ection as o	arking r containe nd and a l or rele conditio	naterials (er. away from ase if it ca ns warran
1	Work & Hygiene Practices:	plastic brooms, shovels, dustpans <u>Large Spills</u> : Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app	edy dry" to soak and place into a materials (e.g., or card area and kee propriate protective & STORAG handling this pro	up material plastic con ganics such p unauthorize equipmen GE INFO duct. When	I. Swee stainer or h as oil) zed pers t includir DRMA n used a	p up mate plastic line away from connel out ng respirat TION as intended	erial using er within n spill. S of area. ory prote	g non-spa another o tay upwir Stop spil ection as o	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran
	Work & Hygiene Practices: Storage & Handling:	plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING Do not eat, drink or smoke when	edy dry" to soak and place into a materials (e.g., or eard area and kee propriate protective & STORAG handling this pro if eye contact is p ill-ventilated locati	up material plastic con ganics such p unauthorize equipment E INFO duct. When cossible. We ion (e.g., lo	I. Swee tainer or h as oil) zed pers trincludir DRMA n used a /ash unir ocal exha	p up mate plastic line away from connel out ng respirat TION as intended aust ventil	erial using er within a spill. S of area. ory prote d, no add residues ation, fai	g non-spa another c tay upwir Stop spil ection as c ditional pr with soar ns) away	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran e equipme arm water heat and o
2		plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING Do not eat, drink or smoke when necessary. Use chemical goggles Use and store in a cool, dry, we sunlight. Avoid temperatures abor	edy dry" to soak and place into a materials (e.g., or eard area and kee propriate protective & STORAG handling this pro- if eye contact is possible to the pro- if eye 120 °F. Keep and the pro- if the pro- if the pro- if eye for the pro- if eye f	up material plastic con ganics such p unauthorize equipmen E INFO duct. When cossible. We ion (e.g., lo away from i	I. Swee trainer or has oil) zed pers traincludir DRMA nused a lash unir ocal exhancement	p up mate plastic line away from connel out and respirate TION as intendententional aust ventilible substantial properties of the content of	erial using er within a spill. S of area. ory prote d, no add residues ation, fai	g non-spa another c tay upwir Stop spil ection as c ditional pr with soar ns) away	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran e equipme arm water heat and o
2	Storage & Handling:	plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING Do not eat, drink or smoke when necessary. Use chemical goggles Use and store in a cool, dry, we sunlight. Avoid temperatures abor damage. Clean all spills promptly. Spilled in	edy dry" to soak s) and place into a materials (e.g., or card area and keep ropriate protective. & STORAG handling this prosif eye contact is pull-ventilated locative 120 °F. Keep anaterial may present	up material plastic con ganics such p unauthorize equipmen E INFO duct. When cossible. When cossible with the plant a slippin	I. Swee Itainer or h as oil) zed pers t includir DRMA n used a /ash unir ocal exha incompat	p up mate plastic line away from connel out ag respirate TION as intendententional caust ventil tible substant.	erial using er within n spill. S of area. ory prote d, no addresidues ation, far ances. F	g non-spa another of tay upwir Stop spil ection as of ditional provided with soar ms) away Protect co	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran e equipme arm water heat and o
2	Storage & Handling:	plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING Do not eat, drink or smoke when necessary. Use chemical goggles Use and store in a cool, dry, we sunlight. Avoid temperatures abor damage.	edy dry" to soak s) and place into a materials (e.g., or card area and keep ropriate protective. & STORAG handling this prosif eye contact is pull-ventilated locative 120 °F. Keep anaterial may present	up material plastic con ganics such p unauthorize equipmen E INFO duct. When cossible. When cossible with the plant a slippin	I. Swee Itainer or h as oil) zed pers t includir DRMA n used a /ash unir ocal exha incompat	p up mate plastic line away from connel out ag respirate TION as intendententional caust ventil tible substant.	erial using er within n spill. S of area. ory prote d, no addresidues ation, far ances. F	g non-spa another of tay upwir Stop spil ection as of ditional provided with soar ms) away Protect co	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran e equipme arm water heat and o
3	Storage & Handling: Special Precautions: Exposure Limits:	plastic brooms, shovels, dustpans Large Spills: Keep incompatible or release. Isolate immediate haz done with minimal risk. Wear app 7. HANDLING Do not eat, drink or smoke when necessary. Use chemical goggles Use and store in a cool, dry, we sunlight. Avoid temperatures abor damage. Clean all spills promptly. Spilled in	edy dry" to soak s) and place into a materials (e.g., or card area and keep ropriate protective. & STORAG handling this prosif eye contact is pull-ventilated locative 120 °F. Keep anaterial may present	up material plastic con ganics such p unauthorize equipmen E INFO duct. When cossible. When cossible with the plant a slippin	I. Swee Itainer or h as oil) zed pers t includir DRMA n used a /ash unir ocal exha incompat	p up mate plastic line away from connel out ag respirate TION as intendententional caust ventil tible substant.	erial using er within n spill. S of area. ory prote d, no addresidues ation, far ances. F	g non-spa another of tay upwir Stop spil ection as of ditional provided with soar ms) away Protect co	arking recontained and and and and and and and and and an	naterials (er. away from ease if it ca ns warran e equipme arm water heat and o
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Page 3 of 5 SDS-E-AX100L

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

SDS Revision: 4.3

		9. PHYSICAL & CHEMICAL PROPERTIES
).1	Appearance:	Light clear/amber liquid
.2	Odor:	Ethereal / hydrocarbon odor
.3	Odor Threshold:	NA NA
.4	pH:	NA
0.5	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	NA
9.9	Limits: 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
0.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA NA
9.15	Decomposition Temperature:	NA NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA NA
		10. STABILITY & REACTIVITY
0.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
0.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂).
0.2	Products:	V 2
0.3	Hazardous Polymerization:	Will not occur.
0.4	Canditiona to Auside	
	Conditions to Avoid: Incompatible Substances:	Open flames, sparks, high heat, incompatible substances and direct sunlight. Avoid extreme heat and ignition sources. Store away from oxidizers
	Conditions to Avoid: Incompatible Substances:	Avoid extreme heat and ignition sources. Store away from oxidizers.
11.1	Incompatible Substances: Routes of Entry:	Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: NO
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10.5 111.1 11.2 111.3 11.4 11.5 11.6 11.7 11.8 11.9	Routes of Entry: Toxicity Data: Acute Toxicity: 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:	Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Inhalation: YES Absorption: YES Ingestion: NO This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, 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 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 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 are 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 fat to overexposed aquatic life.
11.1 11.2 11.3 11.4 11.5 11.6 11.7 11.8 11.9	Routes of Entry: Toxicity Data: Acute Toxicity: 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:	Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Inhalation: YES
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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards

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		44		
		14. TRANSPORTATIO		
		per, proper shipping name, hazard class & divisio required by 49 CFR, IATA/ICAO, IMDG and the	n, packing group) is shown for each mode of transpo	rtation. Additional
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		
		45 DEGULATORY	NEODIATION.	
		15. REGULATORY		
15.1	SARA Reporting Requirements:		subject to SARA Title III, section 313 reporting require	ements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quan		
15.3	TSCA Inventory Status:	The components of this product are listed on the	e TSCA Inventory or are otherwise exempt.	
15.4	CERCLA Reportable Quantity:	NA		
15.5	Other Federal Requirements:	NA		T
15.6	Other Canadian Regulations:	Regulations (CPR) and the SDS contains a	to the hazard criteria of the Controlled Products II of the information required by the CPR. The SL/NDSL. None of the components of this product S Class D2B (Other Toxic Effects).	(T)
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substa Hazardous Substances List (MN), New Jerse Pennsylvania Right-to-Know List (PA), Wa Substances List (WI).	Delaware Air Quality Management List (DE), Florid Inces List (MA), Michigan Critical Substances Ly Right-to-Know List (NJ), New York Hazardous Sushington Permissible Exposures List (WA), Wisknown to the State of California to cause cancer, bi	la Toxic Substances ist (MI), Minnesota ubstances List (NY), sconsin Hazardous
15.8	Other Requirements:	NA	www.r oovvarriings.ca.gov.	
l l		1.4.		
		16. OTHER INF	ORMATION	
16.1	Other Information:		only as directed. Avoid contact with eyes. In case (show the label where possible). If skin irritation of HILDREN .	
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 guar provided. The information contained herein reduction to the materials, all component properties must consult the latest edition.	OSHA's Hazard Communication Standard, 29 CFR or applicability to this product. To the best of son contained herein is reliable and accurate as of aranteed and no warranties of any type, either expresentes only to the specific product(s). If this product to be considered. Data may be changed from time	ShipMate's & CAIG this date; however, essed or implied, are (s) is combined with
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/	CALE, 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: 2/1/2018

DEFINITION OF TERMS

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

GENERAL INFORMATION:

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

EXPOSURE LIMITS IN AIR:

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

FIRST AID MEASURES:

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

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

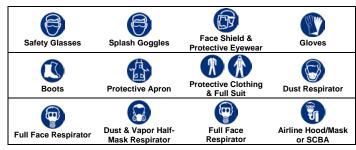
0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

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

G				
Н			H, III	
I				
J			FI	
K	F		Â	
Х	Consult y	our supe andling d	rvisor or irections.	SOPs for



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

TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed 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, TCo, LCio, & LCo				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TLm	Median threshold limit			
log Kow or log Koc	Coefficient of Oil/Water Distribution			

REGULATORY INFORMATION:

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

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	*	(2)		\odot	(4)		
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	N. C.		\Diamond		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment