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SAFETY DATA SHEET

Page 1 of 5 **SDS-E-S100P**

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

SDS Revision: 4.0

SDS Revision Date: 1/26/2015

		4	PRODUCT					×۲۱					
1.1	Product Name:	DEOXIT	B Shield S lution, 0%	S-SERIES									
1.2	Chemical Name:	NA											
1.3	Synonyms:	DeoxIT® Shie	ld S-Series; PN	S100P									
1.4	Trade Names:	DeoxIT [®] Shiel											
1.5	Product Uses & Restrictions:		Protectant for e	electronic conta	acts & co	nnectors							
1.6	Distributor's Name:	CAIG Laborate	ories, Inc.										
1.7	Distributor's Address:	12200 Thatch	er Court, Poway	, CA 92064-68	376 USA								
1.8	Emergency Phone:	CHEMTRE	C: +1 (703) \$	527-3887 /	+1 (800) 424-93	00 (CCN	XXXX	X)			
1.9	Business Phone / Fax:	+1 (800) 224-4				,				-/			
			2. HA		DENT	FICAT		1					
2.1	Hazard Identification:	according to the DeoxIT®, 1000 WARNING! C Classification: Hazard Statem Precautionary EYES: Rinse	is classified as the classification % solution is no CAUSES EYE IF Eye Irritant 2; <u>ments</u> (H): H220 <u>Statements</u> (P) cautiously with ontinue rinsing.	criteria of NO n-volatile, non RRITATION.) – Causes eye): P264 – Was water for sev	HSC: 108 -hazardo e irritation h thoroug eral minu	8 (2004) ar us and non- hly after ha utes. Rem	nd Al -flam andlii ove o	DG Co mable ng. P3 contac	de (Aust 05+P35 t lenses	ralia). 1+P33 , if pre	8 – IF sent a	IN	
		3. CC	MPOSITI	ON & ING	REDI	ENT IN	FO	RMA		I			
									KPOSURE	LIMITS I		<u> </u>	
						ACGIH		NO			OSHA		
						ppm			m		ppm	-	1
СНЕМ	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV STE		S- E NA ST	S- ES- EL PEAF	PEL	STEL	IDLH	OTHER
	PRIETARY MIXTURE	NA	NA	NA	60-100	NA NA		IF NF			NA	NA	-
	First Aid:		4. F										
4.1		Indestion:						s bee	n swallo	wed.	drink r	olentv o	of water or milk
		<u>Eyes</u> : <u>Skin</u> : Inhalation:	If ingested, do IMMEDIATELY, unconscious pe estimate of the swallowed. Splashes are n water for at lease	 not induce v If the patien erson. Contac time at which not likely; how st 15 minutes I ly with soap ar s. to fresh air at a 	vomiting. t is vomit t the nea ch the m ever, if p ifting upp nd water. pnce. If t	If producting, continutiest Poison aterial was roduct gets er and lower In case of preathing di	ct ha ue to Con i Con i ing s in t er lids cont	offer v trol Ce ested the ey s, occa act, im t, admi	water or l and the es, flush sionally. mediate nister ox	milk. ocal er amou with o ly flush xygen.	Never merger nt of t copious	give wa hey num he sub s amou vith pler	ater or milk to an aber. Provide an stance that was ints of lukewarm aty of water for at
4.1	Effects of Exposure:	Eyes: Skin: Inhalation: Ingestion: Eyes: Skin:	If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thorough least 15 minutes Remove victim artificial respirat If product is swa Moderately irrita watering.	o not induce of . If the patien erson. Contac e time at which not likely; how st 15 minutes I ly with soap ar s. to fresh air at of tion. Keep per allowed, may of ating to the ey g to skin. The individuals.	vomiting. t is vomit t the near the near the near ever, if p ifting upp nd water. once. If the rson warr cause nau ves. Sym	If producting, continuers Poison aterial was roduct gets er and lower In case of oreathing di n, quiet ancusea, vomit aptoms of content of cont	ct ha ue to Con i Con s in f er lids cont fficul <u>d get</u> ing a overe	offer v trol Ce ested the ey s, occa act, im t, admi <u>medica</u> nd/or o xposu	water or inter or land the es, flush sionally. mediate nister or al attenti liarrhea. ie may i	milk. ocal er amou with o ly flush cygen. on.	Never merger nt of t copious skin w If brea rednes	give wa cy num he sub s amou vith pler thing st ss, itchi	of water or milk ater or milk to an aber. Provide an stance that was ints of lukewarm aty of water for at tops give ang, irritation and lts, dermatitis) in
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4.2	Effects of Exposure: Symptoms of Overexposure:	Eyes: Skin: Inhalation: Eyes: Skin: Inhalation: Ingestion: Eyes: Skin: Skin: Non-irritating concentrations	If ingested, do IMMEDIATELY, unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive None expected. Nausea, intestir Overexposure in Symptoms of s like symptoms. individuals. when used as s of vapors can	o not induce v . If the patien erson. Contac the time at which the time at the time at the time at time at time at the time at time at time at time the time at time at time at time the time at time at time at time the time at time at time at time at time the time at time at time at time at time the time at time at time at time at time the time at time at time at time at time at time at time the time at time at time at time at time at time the time at time at time at time at time at time at time the time at tit tit time at tit time at time at time at time at time at time at t	vomiting. t is vomiting. t the nearch t the nearch t the nearch ever, if p ifting upp nd water. once. If the son warr cause naury ves. Sym e product vomiting use redn ure may can cau oderate in ess, dizz	If produc ing, continu rest Poison aterial was roduct gets er and lowe In case of preathing di n, quiet anc usea, vomit uptoms of c can cause and/or diar ess, itching include rec use allergic rritation to iness, heac e may trigg	that have to Con Sing Sing Sing Cont fficul Jget ing a overe aller rrhea g and dness skin eyes dache ger a	offer to trol Ce ested the ey s, occa act, im t, admi medic: nd/or o xposul gic ski gic ski s, itchi reacti a and sthma	vater or inter or land the es, flush sionally. mediate nister or al attenti liarrhea. e may in reaction n reaction ng, and ons (e.g. skin nea nausea. like syn	milk. ocal er amou with o ly flush cygen. on. nclude ons (e.g irritatic g., rash ar affeo	Never merger nt of t copious skin w If brea rednes g., rash g., rash on of a nes, we cted au	give wa he sub s amou with pler thing st ss, itchines, we ffected elts, de	ater or milk to an ober. Provide an stance that was ints of lukewarm aty of water for at tops give ang, irritation and lts, dermatitis) in areas. Frostbite rmatitis) in some



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Aggravated by Exposure: target organs (eyes, skin, and respiratory system). FLAMMABILITY PHYSICAL HAZARDS	Fiep	ared to OSHA, ACC, ANSI, I	NOHSC, WHIMIS, 2001/58 & 1272/20	JU0/EU 0	Stanuaru	5	303	Revision: 4	1.0	303	REVISION	Date: 1/26/.	2015
47 Moderal Constitutes Aggreented by Exposure: Pre-existing dermanitie, other skin conditions, and disorders of the target organs (eyes, skin, and respiratory system). IteLALTI LAMMABILITY PHYSICAL HAZARDS PROTECTIVE EQUIPMENT 5. Free & Explosion Construction (eyes, skin, and respiratory system). IteLALTIN (Explosion). Provide Construction (eyes). 5. Free & Explosion Construction (eyes). This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gasse (e.g. CO, CO, and the explosion). Iteles (explosion). 5.2 Extinguisting Metricolic (explosion). Water, Foam, CO, Dry Chemical. Use water spray to cool innopened containers. Freedysming Processore: Firefysting free as for sumonding materials. As in any fire, ward MSHANDOSH approved beal-contained breathing apparatus (pressure-demand) and UII protective gaar. Keep containers to coll on the explosion or decomposition products and oxygen declescences. 6.1 Selfs: Before cleaning any spill or lask, individuals involved in spill cleanup must wear appropriate Personal Pro explosion products and oxygen declescences. 6.1 Selfs: Before cleaning any spill or lask, individuals involved in a spill cleanup must wear appropriate Personal Pro explored. Use appropriate protective equipment including globes entip apparatus to formation and proce- material such as "speed dy" to sak up material. Sweep up material lask as on avein requires an one and protective equipment including globes entip approach sector sub explored containers of nalser disposal. 7			4 FIRS				=S – c	ont'd					
Agginarized by Exposure: target organs (eyes, skin, and respiratory system). FLAMMABILITY PHYSICAL HAZARDS PHYSICAL HAZARDS PHYSICAL HAZARDS POTECTVE EQUIPMENT Eves skin Eves skin Image: skin state st	47	Medical Conditions											0
Section 2012 Section 1922	4.7						soluers o						0
Control of the service of the s				u i copin	atory Sy	sterry.							0
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1 Fire & Ergonom-Heards: Imperatures to form toxic gases (e.g., CO, CO); 12 Eulinguisting Methoda: Firefighteg Procedures: Firefighteg Procedures: Fight files as to reurrounding materials. As in any file, wear MSNANIOSH approved saft contained breaching apparatus (pressure-demand) and full protective gear. Keep containers coal under supply, or any natural waterway. Firefighters must use full burker gear including NIOSH approved positive prevent numf from fire control or diluton from entering severes. drains, drinking water supply, or any natural waterway. Firefighters must use full burker gear including NIOSH approved positive decomposition products and oxygen deficiencies. 5.1 Split: Effect from fire control or diluton from entering severes. drains, drinking water supply, or any natural waterway. Firefighters must use full burker gear including NIOSH approved positive decomposition products and oxygen deficiencies. 6.1 CACCIDENTAL RELEASE MEASURES 6.1 Split: Before cleaning any split or leak, individuals involved in split denump must be required for chean-up of large generating approximate including dives and protective equirement including regions and protective equirement including regions and protective equirement for larger day must anon-oxim material such as verification as pastic container or plastic generating approximate regions on equire and and keep unauthorized personnel out of area. Stop split or release if in a drage Splits. Keep incompatible materials (e.g., organics such events under pressure. Hande as to avoid pur or release, isolate immediate hazard area and keep unauthorized personnel out of area. Stop split or release if in done with minimal risk. Wear approprinte protective equipment in sucess								EY	ES	SKIN			
1 Fire & Explorem Heards: This product is not flammable. However, If involved in a fire, this product may decompose at high temperatures for form toxic gases (e.g., CO, CO). 12. Eutinguiteling Methods: Water, Feam, CO,, Dy Chemical. Use water spray to cool incopened containers. 13.3 Freighting Procedures: Freighting apparatus (pressure-demand) and full protective gear. Keep containers coal. Fight fires as to us. Use water spray to cool fire-coxposed suffaces and to proteiner supply, or any natural waterway. Firefighters must use full burker gear including NIOSH-approved positive prevent numbriting apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Spate: Before elsening any spill or leak, individuals involved in spill contain any the required for chean-up of large provide protein required or other and spin mask wear appropriate. Personal Protein and asset in mask and asset in a container for later display. The set of the material such as "speedy dry" to soak up material. Newsep up material mask as in a spin spin spin and place into a pastic container or planter container. Large Spills: Wear appropriate protective age and wave for or release. Isolate immediate hazard area and keep numbritized personnel out of area. Stop spill or release, fully appropriate protection as oil away from spill. Singu pwind and away for release first depression spill container. Large Spills: Keep incompatible materials or a spill container or planter or an analysing material and a "spin speedy dry" to soak up material. Set as oil away from spill in a container for later dispospill or release fin done with minimal risk. Wear app													
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5.3 Filefitting Procedures: Fight fires as for surrounding materials. As in any fire, wear MSHANICSH approved self-contained braching apparatus (pressure-demand) and full protective gear. Keep containers columit well after the fire is out. Use water spray to coll fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-ver. Prevent runoff from fire control or dilution from entering sewers, trains, dirinking water supply, or any natural waterway. Firefighting apparatus to protect pagainst potential hazardous combustion or decomposition products and oxygen deficiencies. 8.1 Splits: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Prote Equipment. Plastic or trobber gloves, respirator, eye protection and apron may be required for clean-up of larges grandlogits wear appropriate protective equipment including flows and proteinater displats in a non-comb material such as windle or sand to yrak up the protection and apron may be required for clean-up of large spinator, eye protection and apron may be required for clean-up of large spinator houses, showeds, dustapen and no a plastic chromose. 8.1 Splits: Keep incompatible materials (e.g. organics such as oil) away from splil. Sity upwind and away for release fit done with minimal risk. Wear appropriate protective equipment including respiratory protection as container of sustic lines with a container of sustic lines with a sonad apron may be required or cleases of a large splits. Keep incompatible materials (e.g. organics such as oil) away from split. Sity upwind and away for or release fit done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions or release of the done with minimal risk. Wear appropriate			temperatures to form toxic ga	ises (e.	g., CO,	CO _x).		•	-	compos	e at nig	n	
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Bellit: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Pro Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large s Small Spills: Wear appropriate protective equipment including gloves and protective eyewear. Use a non-comb material such as vermiculite or sand to soak up the product and place into a container or later disposal. Do r water or a material such as "speedy dyr' to soak up the product and place into a container or plastic liner within another container. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away fro or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warr 7. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid pur container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles contact is possible. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cond, dry, well-venillated location (e.g., local exhaust ventiliation, fans) away from heat and damage. To avoid unintentional spraying keep cap in place when not in use. 7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard. 8.1 Exposure Limits: pom (mg/m) ¹ Chemical Limits: Chemical Limits: pom (mg/m) ¹ ACGH NA	0.0	Theory in the second seco	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										
Equipment. Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large s Small Suffix: Wara appropriate protective equipment including gloves and protective eyewear. Use a non-comb material such as 'sspeedy dry' to soak up material. Sweep up material using non-sparking material plastic brooms, shovels, dustpars) and place into a plastic container or plastic liner within another container. Large Spills: Keep incompatible materials (e.g., organics such as oil) away from spill. Stay upwind and away fro or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release. Isolate immediate hazard area and keep unauthorized personnel out of area. Stop spill or release if it done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warr. T. HANDLING & STORAGE INFORMATION 7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid pur container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles contact is possible. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and sunlight. Avoid temperatures above 120 'F. Keep away from incompatible substances. Protect containers from p damage. To avoid unintentional spraying keep cap in place when not in use. 8.1 Exposure Limits: ppm (mg/m) Clean all spills promptly. Spilled material may present a slipping hazard. 8.2 Ventitilitis on cell division to effectively remove and prevent bui			6. ACCIDE	ENTA	AL RE	ELEAS	E MEA	SURE	S				
7.1 Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid pur container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles contact is possible. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from p damage. To avoid unintentional spraying keep cap in place when not in use. 7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard. 8.1 Exposure Limits: ppm (mg/m ²) CHEMICAL NAME(S) TLV Stresse Second Precaution is in use. 8.2 Ventilation & Engineering Controls: General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or gexhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 Respiratory Protection: No special respiratory protection is required under normal conditions of use. Safety glasses could be used when handling large quantities (e.g., \$10.13, 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 co			Equipment. Plastic or rubbe Small Spills: Wear appropria material such as vermiculite water or a material such as plastic brooms, shovels, dust Large Spills: Keep incompa or release. Isolate immediate	er glove ate prote or san "speed tpans) a tible ma e hazar	s, respir ective e d to soa ly dry" te and plac aterials (rd area a	ator, eye p quipment i ak up the p o soak up e into a pla (e.g., orgar and keep u	rotection a ncluding g product an material. astic conta nics such a nauthorize	and apron gloves and id place in Sweep up iner or pla as oil) awa ed personn	may be protect to a colo materi stic line ay from hel out o	required tive eyew ntainer f ial using r within a spill. St f area. S	I for cle vear. L or later non-sp nother ay upwi Stop spi	an-up of la Jse a non- disposal. barking ma container. nd and aw ill or releas	rge spills. combustible Do not use terials (e.g., ay from spil e if it can be
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7.3 Special Precautions: Clean all spills promptly. Spilled material may present a slipping hazard. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ppm (mg/m ³) OFHEMICAL NAME(S) TLV STEL OSHA OTHER 8.2 Ventilation & Engineering Controls: General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or of exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 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: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities of this product. 8.5 Hand Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 bls), eye wash stations and deluge showers should be available. Upon completion of work activities	7.2	Storage & Handling:	Use and store in a cool, dry sunlight. Avoid temperatures	/, well-v above	ventilate 120 °F.	d location Keep awa	(e.g., location (e.g., location)	al exhaust compatible	ventila substa				
8.1 Exposure Limits: ppm (mg/m ³) CHEMICAL NAME(S) ACGIH NOHSC OSHA OTHER 8.2 Ventilation & Engineering Controls: NA NA <td< td=""><td>7.3</td><td>Special Precautions:</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	7.3	Special Precautions:											
8.1 Exposure Limits: ppm (mg/m ³) CHEMICAL NAME(S) ACGIH NOHSC OSHA OTHER 8.2 Ventilation & Engineering Controls: NA NA <td< th=""><th></th><th></th><th></th><th>NTP</th><th></th><th>& DED</th><th>SONA</th><th></th><th>TECT</th><th></th><th></th><th></th><th></th></td<>				NTP		& DED	SONA		TECT				
ppm (mg/m³) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH 8.2 Ventilation & Engineering Controls: General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or generated from the handling product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). 8.3 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 under normal conditions of use. Safety glasses could be used when handling or using large quantities of this product. 8.5 Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber, nitrile or impervious plastic gloves. 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 5 lbs), eye wash stations and deluge showers should be available. Upon completion of work activities	0.4	Evene avera Limitar	0. EXFOSURE CO					LFKU				OTUER	
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eye wash stations and deluge showers should be available. Upon completion of work activities	8.5	Hand Protection:	sensitive individuals. When h										
	8.6	Body Protection:	eye wash stations and delug	ge shov	wers sh	ould be av	ailable. l	Jpon com	pletion of	of work	activitie	s	



SAFETY DATA SHEET

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

SDS Revision: 4.0

SDS Revision Date: 1/26/2015

9. PHYSICAL & CHEMICAL PROPERTIES

		9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Light blue
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:	0.72
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 ºF
9.17	Other Information:	NA
		10. STABILITY & REACTIVITY
10.1	Stability:	Stable under normal conditions; unstable with heat or contamination.
10.1	Hazardous Decomposition	
10.2	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. 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 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
	Environmental Stability:	There is no specific data available for this product.
		I There are no appositio data quailable for this product
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.2	Effects on Plants & Animals: Effects on Aquatic Life:	
12.2		There are no specific data available for this product; however, very large releases of this product may be harmful or fata
12.1 12.2 12.3 13.1		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.



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SAFETY DATA SHEET

Page 4 of 5 **SDS-E-S100P**

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

SDS Revision: 4.0

SDS Revision Date: 1/26/2015

		14. TRANSPORTATION INFORMATION	
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional required by 40 CER LATA/ICAO, IMPC and the CERCA	onal
14.1	49 CFR (GND):	e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 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	
	·		
15.1	SARA Reporting	15. REGULATORY INFORMATION	
15.2	Requirements: SARA Threshold Planning	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.	
	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 (RQ):	NA	
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR Subchapter G, (Cosmetics).	
15.6	Other Canadian Regulations:	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 ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following s criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substar List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minner Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substance Substances List (WI).	nces sota NY),
15.8	Other Requirements:	The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC: Irritant (Xi) <u>Risk Phrases:</u> (R) 36 – Irritating to eyes. <u>Safety Phrases:</u> (S) 2-25-45 – Keep out of reach of children. Avoid contact with eyes. In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).	
		16. OTHER INFORMATION	
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Use only as directed. Keep out of reach of children. Avoid contact with e In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). If irritation occurs: get medical advice/attention. KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. C government regulations must be reviewed for applicability to this product. To the best of ShipMate's & C Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; how accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, provided. The information contained herein relates only to the specific product(s). If this product(s) is combined other materials, all component properties must be considered. Data may be changed from time to time. Be sur consult the latest edition.	CAIG ever, , are 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/	_
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	



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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

EXPOSURE LIMITS IN AIR:

American Conference on Governmental Industrial Hygienists
Ceiling Limit
Exposure Standard (Australia)
Immediately Dangerous to Life and Health
U.S. Occupational Safety and Health Administration
Permissible Exposure Limit
Short-Term Exposure Limit
Threshold Limit Value
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.

HMIS-III 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	

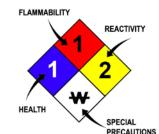
PERSONAL PROTECTION RATINGS:

Α			G							
в			Н			E H				
С			I							
D	B		J			Î				
Е			к							
F			X			ervisor or directions	r SOPs foi s.			
Sa	fety Glasse	es Splash Goggles		e Shield & tive Eyewe		Glove	es			
	Boots	Synthetic Apron		tive Clothi Full Suit	ing I	Dust Resp	birator			
						rline Hoo or SCE				
отн	ER STAN	DARD ABBREVIATIONS	S:							
	ML	Maximum Limit								
	mg/m3	milligrams per cubic meter								
	NA	Not Available								
	ND	Not Determined								
	NE	Not Established								
	NF	Not Found								
L	NR	No Results								
	ppm	parts per million								
	SCBA Self-Contained Breathing Apparatus									

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:					
Autoignition	Minimum temperature required to initiate combustion in air with no other				
Temperature source of ignition					
LEL Lower Explosive Limit - lowest percent of vapor in air, by volume, that w					
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 1 Slight Hazard 2 Moderate Hazard 3 Severe Hazard 4 Extreme Hazard ACD Acidic ALK Alkaline COR Corrosive W Use No Water



TREFOIL Radioactive TOXICOLOGICAL INFORMATION:

OX Oxidizer

	TRECACTIONS
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 _{lo}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{lo} , LD _{lo} , & 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:

NEODE/III	
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
NOHSC	National Occupational Health and Safety Commission (Australia)
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)
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲			Ð	۲		Ŕ			
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F			
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive			

EC (67/548/EEC) INFORMATION:

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		×	¥	8	® X	×	×							
С	Е	F	Ν	0	т	Xi	Xn							
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful							

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