

Page 1 of 5 SDS-E-S100L

-	ABORATORIES, INC.	OAI ETT DATA	0_	2D2-E-2100F
epared	to OSHA, ACC, ANSI, N	DHSC, WHMIS, 2001/58 & 1272/2008/EC Standards	SDS Revision: 4.0	SDS Revision Date: 1/26/2015
		1. PRODUCT & COMPANY ID	ENTIFICATION	
Pi	roduct Name:	DEOXIT® Shield S-SERIES, 100% S	Solution, 0% VO	С
2 C	hemical Name:	NA	,	
S S	ynonyms:	DeoxIT® Shield S-Series; PN S100L		
1 Tr	rade Names:	DeoxIT® Shield S100L, 2 ml (Part No. S100L-2C, S100L (Part No. S100L-58D); DeoxIT® Shield S100L, 7.4 ml (Part No. S100L-12C); DeoxIT® Shield S100L, 25 ml (Part No. S10 DeoxIT® Shield S100L, 236 ml (Part No. S100L-8); DeoxIT® Shield S100L, 472 ml (Part No. S100L-16); DeoxIT® Shield S10 (Part No. S100L-8G); DeoxIT® Shield S100L, 55 Gal. (Part No. S100L-8G); DeoxIT® Shield S100L, 55 Gal.	art No. S100L-2DB); Deo: 00L-25C); DeoxIT® Shield dT® Shield S100L, 354 m 00L, 944 ml (Part No. S10	xIT® Shield S100L, 12 ml (Part No. I S100L, 59 ml (Part No. S100L-2); I (Part No. S100L-12); DeoxIT® Shield
5 Pi	roduct Uses & Restrictions:	Lubricant and Protectant for electronic contacts & conne	ctors	
Di	istributor's Name:	CAIG Laboratories, Inc.		
Di	istributor's Address:	12200 Thatcher Court, Poway, CA 92064-6876 USA		
E	mergency Phone:	CHEMTREC: +1 (703) 527-3887 / +1 (800) 4	24-9300 (CCN XXX	XX)
В	usiness Phone / Fax:	+1 (800) 224-4123		
		2. HAZARDS IDENTIFI	CATION	
1 H	azard Identification:	This product is classified as a HAZARDOUS SUBSTA according to the classification criteria of NOHSC: 1088 (2 DeoxIT®, 100% solution is non-volatile, non-hazardous a WARNING! CAUSES EYE IRRITATION. Classification: Eye Irritant 2; Hazard Statements (H): H220 – Causes eye irritation. Precautionary Statements (P): P264 – Wash thoroughly EYES: Rinse cautiously with water for several minutes easy to do. Continue rinsing. P337+P313 – If eye irritation.	2004) and ADG Code (Au and non-flammable. after handling. P305+P3 Remove contact lense	ustralia). 351+P338 – IF IN es, if present and
		3. COMPOSITION & INGREDIEN	IT INFORMATIO	NN
		J. COMI CONTON & INGREDIEN		RE LIMITS IN AIR (mg/m³)

								EXPO	SURE L	IMITS IN	I AIR (mg	g/m³)	
					AC	GIH		NOHSC			OSHA		
					pp	m		ppm			ppm		
							ES-	ES-	ES-				
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
PROPRIETARY MIXTURE	NA	NA	NA	60-100	NA	NA	NF	NF	NF	NA	NA	NA	
PROPRIETART WILLTURE													

			4. FIRST AID MEASURES
4.1	First Aid:	Ingestion:	If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed.
		Eyes:	Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally.
		Skin:	Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at least 15 minutes.
		Inhalation:	Remove victim to fresh air at once. If breathing difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention.
4.2	Effects of Exposure:	Ingestion:	If product is swallowed, may cause nausea, vomiting and/or diarrhea.
		Eyes:	Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering.
		Skin:	May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.
		Inhalation:	None expected.
4.3	Symptoms of Overexposure:	Ingestion:	Nausea, intestinal discomfort, vomiting and/or diarrhea.
		Eyes:	Overexposure in eyes may cause redness, itching and watering.
		<u>Skin</u> :	Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Frostbite like symptoms. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals.
4.4	Acute Health Effects:	_	when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high ns of vapors can cause drowsiness, dizziness, headaches and nausea.
4.5	Chronic Health Effects:		when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. uce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis.
4.6	Target Organs:	Eyes, Skin.	



Page 2 of 5 SDS-E-S100L

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SDS Revision: 4.0

SDS Revision Date: 1/26/2015

		4 FID.6	T 415 141	- 4 01 1 0		41.1						
4.7	Madical Conditions		T AID ME									
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other target organs (eyes, skin, and			sorders of			OIL ITY			0	
		target organis (eyes, skiri, and	a respiratory s	yotom).			AMMAI		ADDC		0	
							YSICA			ENIT	0	
							OTEC1		ZUIPIVI	ENI	В	•
						EYI	=5	SKIN				
			REFIGHT							_		
5.1	Fire & Explosion Hazards:	This product is not flammabl temperatures to form toxic ga			a fire, this	product i	may dec	ompose	e at high	1		
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Cher										
5.3	Firefighting Procedures:	Fight fires as for surrounding breathing apparatus (pressu after the fire is out. Use war fire upwind. Avoid spraying Prevent runoff from fire contany natural waterway. Firef pressure self-contained breadecomposition products and	re-demand) are spray to co water directly rol or dilution ighters must ut thing apparatu	nd full prote ool fire-expo into storage from enteri ise full bunl is to protec	ctive gear. sed surface containering sewers, ker gear in	Keep ces and to s because drains, d	ontainer protect e of dan rinking v IOSH-ap	s cool of personal ger of both water so opproved	until well al. Fight poil-over. upply, ou positive	0		0
		6. ACCIDI	ENTAL R	ELEAS	E MEAS	SURES	S					
6.1	Spills:	Before cleaning any spill of Equipment. Plastic or rubbe Small Spills: Wear appropria material such as vermiculite water or a material such as plastic brooms, shovels, dus Large Spills: Keep incompa or release. Isolate immediat done with minimal risk. Wea	r leak, indivicer gloves, respette protective or sand to so "speedy dry" tpans) and platible materials e hazard area	duals involvirator, eye pequipment i bak up the pto soak up ce into a plate. (e.g., organ and keep u	ed in spill rotection a notuding gloroduct and material. astic containics such a nauthorized	cleanup nd apron oves and d place in Sweep up ner or plas s oil) awa d personn	must w may be protection to a condomateria stic liner y from sel out of	required ve eyev tainer for al using within a pill. Sta	I for cleavear. Use or later of non-spannother of ay upwir Stop spil	an-up of lar se a non-odisposal. arking mat container. nd and awa I or release	ge spi combu Do no erials ay fron e if it c	ills. estible of use (e.g., m spill an be
7.1	Work 9 Lhusiana Drastiana	7. HANDLII	NG & STO	DRAGE	INFOR	MATIC	DN					
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke container(s). When used as contact is possible. Wash ur	intended, no	additional	protective (equipmen	t is nece					
7.2	Storage & Handling:	Use and store in a cool, dry sunlight. Avoid temperatures damage. To avoid unintentic	above 120 °F	. Keep awa	ay from inco	ompatible	substan					
7.3	Special Precautions:	Clean all spills promptly. Spi	lled material m	nay present	a slipping h	nazard.						
		8. EXPOSURE CO	NTDOLO	0 DED	CONAL	DDO:	TECT	ION				
8.1	Exposure Limits:	6. EXPOSURE CO	ACGIH	& PER	NOHSC	- PRU	IECI	OSHA		OTHER		
0.1	ppm (mg/m ³)	CHEMICAL NAME(S)	TLV STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	JIIILK		
		NA	NA NA	NA	NA	NF	NA	NA	NA			
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fa exhaust ventilation to effect product. Ensure appropriate	vely remove	and preven	t buildup o	f vapors	or mist	genera	ted from	the hand	ling o	
8.3	Respiratory Protection:	No special respiratory prote instances where dusts of this protection authorized by 29 CAS Standard Z94.4-93 and Australia.	ction is required product are good CFR §1910.1	ed under ty enerated, a 34, applical	pical circui nd respirat ble U.S. St	mstances ory protectate regula	of use tion is n ations, o	or hand eeded, or the C	lling. Ir use only anadiar) /		
8.4	Eye Protection:	Avoid eye contact. None rewhen handling or using large			itions of us	se. Safety	glasse	s could	be used			
8.5	Hand Protection:	None required under normal sensitive individuals. When himpervious plastic gloves.										
8.6	Body Protection:	No apron required when har eye wash stations and delu- involving large quantities of the	ge showers sh	nould be av	ailable. U	pon comp	letion o	f work	activities			



Page 3 of 5

SAFETY DATA SHEET SDS-E-S100L SDS Revision: 4.0 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 1/26/2015

		0 DUVSICAL & CHEMICAL DDODEDTIES
9.1	Appearance:	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Odor:	Light blue Ethereal / hydrocarbon odor
9.3	Odor Threshold:	NA
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling	>220 °C (428 °F)
9.7	Range: Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability	· ·
9.9	Limits: Vapor Pressure:	NA
9.10	Vapor Density:	< 0.1 mm Hg @ 20 °C (68 °F)
9.11	Relative Density:	NA 0.72
9.12	Solubility:	Soluble
9.13	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
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. 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.
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.
44.7	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product: Biological Exposure Indices:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.9	Physician Recommendations:	NE Treat symptomatically.
	,	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:	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.
		40 DIODOCAL CONCIDED ATIONS
10 :	Lw . 8: .	13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Products covered by this MSDS, 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 regulations. Dispose of in accordance with federal, state and local regulations.
13.2	Special Considerations:	NA



Page 4 of 5 **SDS-E-S100L**

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SDS Revision: 4.0

SDS Revision Date: 1/26/2015

		HSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 4.0 SDS Revision Date: 1/26/2015
		14. TRANSPORTATION INFORMATION
		ber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional
		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): TDGR (Canadian GND):	NOT REGULATED
14.4	ADR/RID (EU):	NOT REGULATED
14.6	SCT (MEXICO):	NOT REGULATED NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED
	7.2011 (7.00).	NOTREGOLATED
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
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 (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 state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	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 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 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. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & CAIG Laboratories, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com ShipMate ShipMate ShipMate ShipMate ShipMate ShipMate ShipMate



Page 5 of 5 SDS-E-S100L

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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:

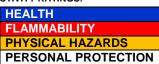
CAS No.	Chemical Abstract Service Number			
EXPOSURE	LIMITS IN AIR:			
ACGIH	American Conference on Governmental Industrial Hygienists			
С	Ceiling Limit			
ES	Exposure Standard (Australia)			
IDLH	Immediately Dangerous to Life and Health			
OSHA	U.S. Occupational Safety and Health Administration			
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

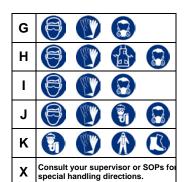
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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 STATE OF THE S	
E			
F			





Splash Goggle



Gloves













Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

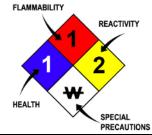
ML	Maximum Limit			
mg/m3	milligrams per cubic meter			
NA	Not Available			
ND	Not Determined			
NE	Not Established			
NF	Not Found			
NR	No Results			
ppm	parts per million			
SCBA	Self-Contained Breathing Apparatus			

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 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:

Minimal Hazard				
Slight Hazard				
2 Moderate Hazard				
3 Severe Hazard				
4	Extreme Hazard			
ACD	Acidic			
ALK Alkaline				
COR	Corrosive			
W	Use No Water			
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 _{lo} , & 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
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:

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

EC (67/548/EEC) INFORMATION:

- (
	1 ***		*	*		® X	X	×
	С	E	F	N	0	Т	Xi	Xn
	Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

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