

4.5

4.6

Chronic Health Effects:

Eyes, Skin.

Target Organs:

SAFETY DATA SHEET

Page 1 of 5 SDS-E-D100L

Prepa	red to OSHA, ACC, ANSI, N	OHSC, WHMIS,	, 2001/58 & 1272/2	2008/EC Standard	ds	SDS	Revision: 4.0	SDS Revision Da	ate: 1/21/2015
			_						
		1.	PRODUC	T & COM	<u>PANY</u>	IDENTIF	FICATION		
1.1	Product Name:	DEOXIT	® D-SERI	ES, 100%	Solut	ion, 0%	VOC		
1.2	Chemical Name:	NA							
1.3	Synonyms:	DeoxIT® D-	Series; PN D100)L					
1.4	Trade Names:	D100L-58D) D100L, 25 m D100L-8); D	; DeoxIT® D100l nl (Part No. D100 eoxIT® D100L, 3	L, 7.4 ml (Part l DL-25C); Deoxl 354 ml (Part No	No. D100 T [®] D100L o. D100L-	L-2DB); Deox ., 59 ml (Part I2); DeoxIT®	klT® D100L, 12 No. D100L-2); D100L, 472 ml	 (); DeoxIT® D100L, 2 ml (Part No. D100L-DeoxIT® D100L, 236 (Part No. D100L-16) ® D100L, 55 Gal. (Part No. D100L-16) 	12C); DeoxIT [®] 5 ml (Part No. ; DeoxIT [®] D100L,
1.5	Product Uses & Restrictions:		idize & Improve				,.	,	,
1.6	Distributor's Name:	CAIG Labora	atories, Inc.						
1.7	Distributor's Address:		cher Court, Powa	ay, CA 92064-6	876 USA				
1.8	Emergency Phone:		EC: +1 (703)				0 (CCN XX)	(XX)	
1.9	Business Phone / Fax:	+1 (800) 224		02. 000. /	(555	,	• (••••••	004	
		11 (000) 22-	7 7123						
			2. HA	AZARDS I	DENT	IFICATION	ON		
2.1	Hazard Identification:	This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). DeoxIT®, 100% solution is non-volatile, non-hazardous and non-flammable. WARNING! CAUSES EYE IRRITATION. Classification: Eye Irritant 2; Hazard Statements (H): H220 – Causes eye irritation. 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. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention.							
		easy to do.	Continue finsing	J. P33/+P313	– II eye II	ntation persis	sis. Get medica	ii advice/attention.	
		3. C	OMPOSIT	ION & INC	REDI	ENT INF	ORMATIC	ON	
							EXPOSI	JRE LIMITS IN AIR (mg/m ³)	
						ACGIH	NOHSC	OSHA	
						ppm	ppm	ppm	
СНЕМІ	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV STEL		ES- PEAK PEL STEL IDL	.H OTHER
		NA	NA	NA	60-100	NA NA		NF NA NA NA	
PROP	RIETARY MIXTURE								
				FIDOT AL		CUDEO			
	1	T .		FIRST AI					
4.1	First Aid:	Ingestion: Eyes: Skin: Inhalation:	IMMEDIATEL' unconscious pestimate of the swallowed. Splashes are water for at least 15 minut Remove victim	Y. If the patier person. Contact the time at whith not likely; how ast 15 minutes hly with soap ares.	nt is vominated the near character the near character the movever, if provided in the provided in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character is a support of the near character in the near character in the near character is a support of the near c	ting, continuerest Poison (laterial was broduct gets er and lower In case of coreathing diffi	e to offer water Control Center ingested and in the eyes, fl lids, occasiona ontact, immedi icult, administe	ately flush skin with processing at a contraction of the state of the	water or milk to ar number. Provide ar substance that was nounts of lukewarm plenty of water for a
4.2	Effects of Exposure:	artificial respiration. Keep person warm, quiet and get medical attention. Ingestion: 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.							
4.3	Symptoms of Overexposure:	Inhalation: Ingestion:	None expecte	u. tinal discomfort	vomitino	and/or diarr	nea		
	-, 2. 3.0.0.0000000	Eyes:			_				
		Skin:							
4.4	Acute Health Effects:		g when used as					near affected areas. ea.	Additionally, hig

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.



SAFETY DATA SHEET

Page 2 of 5 **SDS-E-D100L**

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SDS Revision: 4.0

SDS Revision Date: 1/21/2015

			T AID ME								
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, othe target organs (eyes, skin, an			sorders o	FL.	AMMAI YSICA OTECT	L HAZ	ARDS	IENT	0 0 0 B
		5. FII	REFIGHT	NG MF	ASUR	FS					
5.1	Fire & Explosion Hazards:	This product is not flammable	e. However, if	involved in			may dec	compose	e at hig	h	
5.2	Extinguishing Methods:	temperatures to form toxic ga			!						•
5.3	Firefighting Procedures:	Water, Foam, CO ₂ , Dry Chemical. Use water spray to cool unopened containers. 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.									
	1	6. ACCID			E MEA	SURF	3				
5.1	Spills:	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. Small Spills: 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 us 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. Large Spills: 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. HANDLII	NG & STC	RAGE	INFOR	RMATIC	DN				
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturi container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if e contact is possible. Wash unintentional residues with soap and warm water.									
'.2	Storage & Handling:	Use and store in a cool, dr sunlight. Avoid temperatures damage. To avoid unintentic	, well-ventilate above 120 °F	ed location . Keep awa	(e.g., local ay from ind	al exhaust compatible	ventilati substan				
7.3	Special Precautions:	Clean all spills promptly. Spi	lled material m	ay present	a slipping	hazard.					
		8. EXPOSURE CO	NTROI S	& PFR	SONA	I PRO	TFCT	ION			
3.1	Exposure Limits:		ACGIH		NOHSC			OSHA		OTHER	
	ppm (mg/m³)	NA	TLV STEL NA NA	ES-TWA NA	ES-STEL NA	ES-PEAK NF	PEL NA	STEL NA	IDLH NA		
3.2	Ventilation & Engineering Controls:	General mechanical (e.g., fa exhaust ventilation to effect product. Ensure appropriate	ans) or natural vely remove a	ventilation and preven	is sufficie	ent when to	his prod or mist	duct is i	n use. ted fror	n the hand	ling of th
.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.									
3.4	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.									
3.5	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. 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									



11.9

Physician Recommendations:

Treat symptomatically.

SAFETY DATA SHEET

Page 3 of 5

SDS-E-D100L Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 1/21/2015 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Light red 92 Odor: Ethereal / hydrocarbon odor 9.3 Odor Threshold: NA 9.4 NA 9.5 Melting Point/Freezing Point: NA Initial Boiling Point/Boiling 9.6 >220 °C (428 °F) 9.7 Flashpoint: >250 °C (482 °F) 9.8 Upper/Lower Flammability NA 99 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 Partition Coefficient (log Pow): 9.13 NA 9.14 Autoignition Temperature NA 9.15 Decomposition Temperature: NA 5.4-7.5 cSt @ 104 °F Other Information: 9.17 NA 10. STABILITY & REACTIVITY 10.1 Stability: Stable under normal conditions; unstable with heat or contamination. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO₂). Products Hazardous Polymerization: 10.3 Will not occur. Open flames, sparks, high heat, incompatible substances and direct sunlight. 104 Conditions to Avoid: 10.5 Incompatible Substances: Avoid extreme heat and ignition sources. Store away from oxidizers. 11. TOXICOLOGICAL INFORMATION Routes of Entry: 11.1 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: 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

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.

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



SAFETY DATA SHEET

Page 4 of 5 SDS-E-D100L

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SDS Revision: 4.0

SDS Revision Date: 1/21/2015

	, ,	JHSC, WHMIS, 2001/58 & 1272/2008/EC Standards	SDS Revision: 4.0 SDS Revision Date: 1/21/2015				
		44 TRANSPORTATION	LINEODMATION				
	14. TRANSPORTATION INFORMATION						
desc	riptive information may be	e required by 49 CFR, IATA/ICAO, IMDG and the CT	, packing group) is shown for each mode of transportation. Additional DGR.				
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 14.6	ADR/RID (EU): SCT (MEXICO):	NOT REGULATED					
14.7	ADGR (AUS):	NOT REGULATED					
14.7	ADGIT (AOG).	NOT REGULATED					
		15. REGULATORY IN	FORMATION				
15.1	SARA Reporting Requirements:	This product does not contain any substances sub	ect to SARA Title III, section 313 reporting requirements.				
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantitie	es for the components of this product.				
15.3	TSCA Inventory Status:	The components of this product are listed on the T	SCA Inventory.				
15.4	CERCLA Reportable Quantity (RQ):	NA					
15.5	Other Federal Requirements:	This product complies with the appropriate sections (Cosmetics).	s of the Food and Drug Administration's 21 CFR Subchapter G,				
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) Risk Phrases: (R) 36 – Irritating to eyes. Safety Phrases: (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).					
		46 OTHER INCO	DMATION				
		16. OTHER INFO					
16.1	Other Information:	In case of accident or if you feel unwell seek m	ly as directed. Keep out of reach of children. Avoid contact with eyes. edical advice immediately (show the label where possible). If skin P 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 information of accuracy, suitability or completeness is not guara provided. The information contained herein relate other materials, all component properties must be consult the latest edition.	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & CAIG contained herein is reliable and accurate as of this date; however, inteed and no warranties of any type, either expressed or implied, are es only to the specific product(s). If this product(s) is combined with e 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/	CAIG 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				



SAFETY DATA SHEET

Page 5 of 5 SDS-E-D100L

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SDS Revision Date: 1/21/2015

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

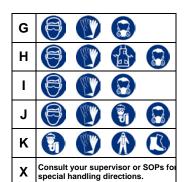
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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			















Full Face Respirator







Dust & Vapor Half-Mask Respirator OTHER STANDARD ABBREVIATIONS:

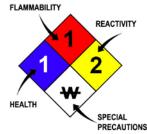
ML	Maximum Limit		
mg/m3	milligrams per cubic meter		
NA	Not Available		
ND	Not Determined		
NE	Not Established		
NF	Not Found		
NR	No Results		
ppm	parts per million		
SCBA	Self-Contained Breathing Apparatus		

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:

TITLE TO			
0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		
ACD	Acidic		
ALK	Alkaline		
COR	Corrosive		
₩	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)	(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:

V.		N. C.	*		ø X	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			\Leftrightarrow		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment