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

SDS Revision: 4.0

SDS Revision Date: 1/21/2015

Prepa	ared to OSHA, ACC, ANSI, N	OHSC, WHMIS,	2001/58 & 1272/20	008/EC Standard	IS	SDS	Revision:	4.0	SDS R	Revision Da	ite: 1/21	/2015
			DRODUCT	F O COMI	DANV	IDENTII	FICAT	ION				
4.4	Draduat Name	1	PRODUCT									
1.1	Product Name:	DEOXIT® D-SERIES Oiler Pen, (P/N D100L-P6C), 6 mL, 100% Solution, 0% VOC										
1.2	Chemical Name:	NA										
1.3	Synonyms:	DeoxIT® D-	Series; PN D100L	P6C								
1.4	Trade Names:	DeoxIT® D10	00L									
1.5	Product Uses & Restrictions:		idize & Improve E	Electronic Conf	tacts & C	onnectors						
1.6	Distributor's Name:	CAIG Labora										
1.7	Distributor's Address:		her Court, Poway									
1.8	Emergency Phone:		EC: +1 (703) !	527-3887 /	+1 (800	<u>) 424-930</u>	0 (CCN	XXXXX	()			
1.9	Business Phone / Fax:	+1 (800) 224	l-4123									
			2. HA	ZARDS I	DENT	FICATION	ON					
2.1	Hazard Identification:	according to DeoxIT®, 10 WARNING! Classification Hazard State Precautional EYES: Rinse	t is classified as the classification 0% solution is no CAUSES EYE II g: Eye Irritant 2; ements (H): H220 y Statements (P) e cautiously with Continue rinsing.	criteria of NO n-volatile, non RRITATION.) – Causes eye): P264 – Was water for sev	HSC: 108 -hazardo e irritation h thoroug	8 (2004) and us and non-f ghly after han utes. Remo	d ADG Co lammable ndling. P ve contac	ode (Austr e. 305+P351 ct lenses,	alia). +P338 if prese	– IF IN ent and	<	! >
			_									
		ა. Ե	OMPOSITION	UN & INC	KEDI	CIVI IIVI			IMITC IN	AID (/ 3)		
						ACGIH		EXPOSURE L		OSHA		
						ppm	-	pm		ppm		
011584	OAL NAME(O)	040 N	DTEOD No.	EINEGO N-	0/	TIV OTE		S- ES-	DEI	OTEL IDI		OTHER
CHEM	CAL NAME(S)	NA	NA RTECS No.	NA	% 60-100	NA NA	TWA S	TEL PEAK F NF	PEL NA	NA N	_	OTHER
PROF	RIETARY MIXTURE		1.4.	1	00 .00		1					
						0110=0						
	T			FIRST All								
4.1	First Aid: Ingestion: Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or mill 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 a least 15 minutes. Inhalation: Remove victim to fresh air at once. If breathing difficult, administer oxygen. If breathing stops give					or milk to and an extended that was of lukewarm of water for at						
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										
		Inhalation:	some sensitive									
4.3	Symptoms of Overexposure:	Inhalation: None expected. Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea. Eyes: Overexposure in eyes may cause redness, itching and watering. Skin: 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						affecte	ed areas.	Add	itionally, high
4.5	Chronic Health Effects:	concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 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.										
	Target Organs:	, 2.00					,					



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						41.1						
4.7	Madical Conditions		T AID M									
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				0	
							YSICA			ENT	0	
									QUIPM	ENI	E	<u> </u>
						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	compose	e at high	1		
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Cher										
5.3	Firefighting Procedures:	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.						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, indivier gloves, resp ate protective or sand to so "speedy dry" tpans) and platible materials e hazard area	duals involvirator, eye pequipment in the pak up the peter to soak up to soak up to e into a plate (e.g., organiand keep u	ed in spill rotection a neluding 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 control material stic liner y from sel out of	required ve eyev stainer f al using within a spill. Sta area. S	d for clea wear. U or later non-spa another of ay upwir Stop spil	an-up of lar se a non-odisposal. arking mat container. nd and awall or release	ge spi combu Do no erials ay fror e if it o	ills. ustible of use (e.g., m spill can be
7.1	Work 9 Unione Prestices	7. HANDLII										
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke container(s). When used as contact is possible. Wash ur	intended, no	additional	orotective	equipmen	t is nece					
7.2	Storage & Handling:	Use and store in a cool, dry sunlight. Avoid temperatures damage. To avoid unintentic	above 120 °l	F. Keep awa	ay from inc	ompatible	substan					
7.3	Special Precautions:	Clean all spills promptly. Spi	lled material r	nay present	a slipping l	nazard.						
		0 EVDOCUDE CO	NTDOLO	O DED	CONIAI	DDO:	TEAT	ION				
	Te	8. EXPOSURE CO	•	& PER		- PRO	IECI			0.51150		
8.1	Exposure Limits: ppm (mg/m³)	CHEMICAL NAME(S)	TLV STEL	ES-TWA	NOHSC ES-STEL	ES-PEAK	PEL	OSHA STEL	IDLH	OTHER		
		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 c	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 requir product are of CFR §1910.1	ed under ty generated, a 34, applical	pical circu nd respirat ole U.S. S	mstances ory protectate regula	of use tion is n ations, o	or hand eeded, or the C	dling. Ir use only Canadiar) /	·	
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 deluginvolving large quantities of the state of	ge showers s	hould be av	ailable. U	pon comp	letion o	f work	activities			



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		O DUVEICAL O CUEMICAL DEODERTIES
0.1	I A	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance: Odor:	Light red
9.2	Odor: Odor Threshold:	Ethereal / hydrocarbon odor
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling	NA
	Range:	>220 °C (428 °F)
9.7	Flashpoint:	>250 °C (482 °F)
9.8	Upper/Lower Flammability Limits:	NA 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 NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	NA
		40 0TABILITY 0 DTAGTIVITY
	1	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.
	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 NE
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	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
	Waste Disposal:	Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste
13.1	Special Considerations:	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. NA



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		14. TRANSPORTATION	N INFORMATION
The	basic description (ID Nun		n, packing group) is shown for each mode of transportation. Additional
	riptive information may be	e required by 49 CFR, IATA/ICAO, IMDG and the C	
14.1	49 CFR (GND):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND): ADR/RID (EU):	NOT REGULATED	
14.5	SCT (MEXICO):	NOT REGULATED NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		NOT REGULATED	
		15. REGULATORY II	NFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances sub	oject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantiti	es for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the 1	TSCA Inventory.
15.4	CERCLA Reportable Quantity	NA	•
15.5	(RQ): Other Federal Requirements:	This product complies with the appropriate section (Cosmetics).	ns of the Food and Drug Administration's 21 CFR Subchapter G,
15.6	Other Canadian Regulations:	This product has been classified according to Regulations (CPR) and the SDS contains all	the hazard criteria of the Controlled Products of the information required by the CPR. The L/NDSL. None of the components of this product
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), D List (FL), Massachusetts Hazardous Substand Hazardous Substances List (MN), New Jersey I	centration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances ces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), on Permissible Exposures List (WA), Wisconsin Hazardous Substances
15.8	Other Requirements:	The primary components of this product are not list Irritant (Xi) Risk Phrases: (R) 36 – Irritating to eyes. Safe children. Avoid contact with eyes. In case of a immediately (show the label where possible).	ety Phrases: (S) 2-25-45 – Keep out of reach of accident or if you feel unwell seek medical advice
		16. OTHER INFO	DEMATION .
16.1	Other Information:		nly as directed. Keep out of reach of children. Avoid contact with eyes.
		In case of accident or if you feel unwell seek n	nedical advice immediately (show the label where possible). If skin EP 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 accuracy, suitability or completeness is not guara provided. The information contained herein relat	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, anteed and no warranties of any type, either expressed or implied, are tes only to the specific product(s). If this product(s) is combined with the 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/	CALE LABORATORIES, INC.
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate Dangerous Goods Training & Consulting



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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:

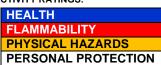
CAS No.	Chemical Abstract Service Number				
EXPOSURE	EXPOSURE LIMITS IN AIR:				
ACGIH	American Conference on Governmental Industrial Hygienists				
С	Ceiling Limit				
ES	Exposure Standard (Australia)				
IDLH	Immediately Dangerous to Life and Health				
OSHA	U.S. Occupational Safety and Health Administration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

G				
Н			THE THE	
I				
J			9	
K	•		(
Х	Consult special h	your sup	ervisor or directions	SOPs for



Splash Goggles



















Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

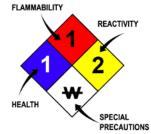
ML	Maximum Limit
mg/m3	milligrams per cubic meter
NA	Not Available
ND	Not Determined
NE	Not Established
NF	Not Found
NR	No Results
ppm	parts per million
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:			
	<u> </u>		
Autoignition			
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:

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