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

SDS Revision: 5.0

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	r	<u> </u>	PRODUC	T & COM	PANY	IDE	NII	-ICA	110	N				
1.1	Product Name:	DEOXIT® 100% Sol			SPR/	Y, (P/N	DP5	S-6)	, 15	0 ml	L,		
10	Chamical Name:													
1.2	Chemical Name:	NA												
1.3	Synonyms:		DeoxIT® D-Series; PN DP5S-6											
1.4	Trade Names:		DeoxIT® D-Series Pump Spray											
1.5	Product Use:		Clean, deoxidize & improve electronic contacts & connectors.											
1.6	Distributor's Name:	CAIG Laboratories, Inc.												
1.7	Distributor's Address:	12200 Thatcher Court, Poway, CA 92064-6876 USA												
1.8	Emergency Phone:	CHEMTREC	C: +1 (703)	527-3887 /	+1 (800) 424	-930	0 (CC	N205	5206)				
1.9	Business Phone / Fax:	+1 (800) 224-4	123											
			2. HA	ZARDS	DENT	IFIC	ATIC	ON						
2.1	Hazard Identification:		riteria of NOH	SC: 1088 (20										ccording to the non-volatile and
		Classification:	Eve Irritant 2B	_										
2.2	Label Elements:	1	*											
		Hazard Statem Precautionary S EYES: Rinse of easy to do. Co	Statements (P cautiously with): P264 – Was water for sev	h thoroug	hly aft ites.	Remo	/e con	tact le	nses,	if pres	sent ar	d	
2.3	Other Warnings:	KEEP OUT OF	REACH OF (CHILDREN										
		3 CO	MPOSITI	ON & INC		FNT		OR	ΤΔΝ	ION				
		0.00						0111				N AIR (m	a/m ³)	
						AC	GIH		NOHSC			OSH/		
							pm		ppm			ppm		
								ES-	ES-	ES-				
CHEMI	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	PEL	STEL	IDLH	OTHER
Deoxl	T [®] D-Series D100L	PROPRIETARY TRADE SECRE	T NA	NA	20	NA	NA	NF	NF	NF	NA	NA	NA	
			o. Non-hazardou		00	-			NE	NE				
White	mineral oil	8042-47-5	NA o.: 01-21194870	NA	80	5	NA	5	NF	NF	5	NA	NA	
		REACH Reg. N	0.: 01-21194870	118-21-0013										
			4.	FIRST AI	D ME	SU	RES							
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. Eves: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm 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. Eves: Overexposure: Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea. Eves: Overexposure: Ingestion: Nausea, intestinal discomfort, vomiting and/or diarrhea. Eves: Overexposure in eyes may cause redness, itching, and irritation of affected areas. Frostbite like symptoms of 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.														
		Skin: Wash th Inhalation: Rer r Ingestion: If p Eyes: Modera Skin: May be Skin: May be Inhalation: No Ingestion: Naus Eyes: Overexp Skin: Symptor	east 15 minute prooughly with 5 minutes. nove victim to espiration. Ke product is swall tely irritating to sensitive individual one expected. sea, intestinal osure in eyes ins of skin ov symptoms. T	es lifting upper soap and wate fresh air at on ep person war lowed, may ca o the eyes. Sy n. The produ duals. discomfort, voi may cause rec erexposure m	and lowe er. In cas ce. If bre <u>m, quiet :</u> use naus mptoms c ct can ca miting and lness, itch ay includ	lids, c se of c athing and <u>ge</u> a, vor f over use al d/or dia ing an e redn	difficul difficul t mediu miting a exposu lergic arrhea. ad wate	onally. , imme cal atte and/or ure ma skin re ering. tching,	diately inister ention. diarrhe y inclu action action	rritatio	n. If b ness, , rash	itching es, we	, irritatio Its, der	give artificial on and watering. matitis) in some
		Skin: Wash th Inhalation: Rer r Ingestion: If p Eyes: Modera Skin: May be Inhalation: No Ingestion: Naus Eyes: Overexp Skin: Symptor	east 15 minutes prooughly with 5 minutes. nove victim to espiration. Ke product is swall tely irritating to swall tely irritating to ski ensitive individuals osure in eyes ms of skin ov symptoms. T ndividuals.	es lifting upper soap and wate fresh air at on ep person war lowed, may ca o the eyes. Sy n. The produ duals. discomfort, vor may cause rec erexposure m he product ca s directed. M	and lowe er. In cas ce. If bre <u>m, quiet s</u> use naus mptoms of ct can ca miting and lness, itch ay includ an cause oderate i	r lids, c se of c athing and <u>ge</u> and <u>ge</u> a, vor f over use al d/or dia ing an e redn allerg	difficul t media niting a exposu lergic a arrhea. d wate ness, if gic skii	onally. imme cal atte and/or ure ma skin re ering. tching, n reac yes ar	diately inister ention. diarrhe y inclu- actions and i tions	rritatio (e.g.,	n. If b ness, , rash n of a rashe	itching es, we	ng stops , irritatio Its, der d areas s, derr	give artificial on and watering matitis) in some . Frostbite like



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	4. FIRST AID MEASURES – cont'd										
4.5	Chronic Health Effects: 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.							ive individuals.			
4.6	Target Organs:	Eyes, Skin.									
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin	n conditi	ons, and	disorders	of the	HEALT	4			1
	Aggravated by Exposure.	target organs (eyes, skin).					FLAMM	ABILIT	(0
							PHYSIC	AL HAZ			0
							PROTE			FNT	B
							EYES	SKIN			
		5. FIREF									
5.1	Fire & Explosion Hazards:	This product is not flammable. He temperatures to form toxic gases ((e.g., CO,	, CO _X).				ecompos	e at high	1	
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical.									
5.3	Firefighting Procedures:	Fight fires as for surrounding mate breathing apparatus (pressure-det after the fire is out. Use water sp fire upwind. Avoid spraying water Prevent runoff from fire control or any natural waterway. Firefighter pressure self-contained breathing decomposition products and oxyge	mand) ar pray to co r directly r dilution rs must u apparatu	nd full pro- ool fire-ex- into stor from ent use full b us to pro-	otective ge posed surf age contail ering sewe unker gear	ear. Ke faces ar ners bec ers, drair r includir	ep contain d to prote- cause of dans, drinking ng NIOSH-	ers cool ct person anger of g water s approved	until wel al. Figh boil-over upply, o positive	l t r	
		6. ACCIDEN									
6.1	Spills:	Before cleaning any spill or lea								D	and Destantion
		Equipment. Plastic or rubber glov Small Spills: Wear appropriate pr material such as vermiculite or sa water or a material such as "spec plastic brooms, shovels, dustpans Large Spills: Keep incompatible r or release. Isolate immediate haz done with minimal risk. Wear app	ves, resp rotective and to so edy dry" s) and pla materials zard area	irator, ey equipmen bak up th to soak ice into a (e.g., or and keep	e protection nt including e product a up materia plastic con ganics such o unauthori	n and ap g gloves and plac I. Swee ntainer of h as oil) ized pers	and prote and prote ce into a c p up mate r plastic lin away from sonnel out	e required ctive eye ontainer erial using er within n spill. Si of area.	d for clea wear. U for later non-spa another another tay upwir Stop spil	an-up of se a no disposa arking n containe nd and a Il or rele	large spills. on-combustible I. Do not use naterials (e.g., er. away from spill ase if it can be
	1	7. HANDLING									
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when necessary. Use chemical goggles	s if eye co	ontact is p	ossible. V	Vash uni	ntentional	residues	with soa	p and w	arm water.
7.2	Storage & Handling:	Use and store in a cool, dry, we sunlight. Avoid temperatures about damage.	ll-ventilat ve 120 °F	ed locati . Keep a	on (e.g., lo away from i	ocal exh incompa	aust ventil tible subst	ation, far ances. P	ns) away rotect co	from h	eat and direct s from physical
7.3	Special Precautions:	Clean all spills promptly. Spilled m	naterial m	nay prese	nt a slippir	ng hazar	d.				
						AL					
	ſ	8. EXPOSURE CONT			KSON		KUIEC				1
8.1	Exposure Limits: ppm (mg/m ³)		AC	GIH I		NOHSC ES-	ES-		OSHA		OTHER
	·····(··· ·· ····)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	STEL	PEAK	PEL	STEL	IDLH	
8.2	Ventilation & Engineering	NA	NA	NA	NA	NA	NF	NA NA	NA	NA	NA
0.2	Controls:	General mechanical (e.g., fans) exhaust ventilation to effectively product. Ensure appropriate deco	remove	and prev	ent buildu	ip of vaj	oors or mi	st genera	ated from	n the h	
8.3											
8.4	Eye Protection:	Avoid eye contact. None required handling or using large quantities			nditions of	use. Sa	afety glass	es could	be used	when	\bigcirc
8.5	Hand Protection:	None required under normal con- individuals. When handling large plastic gloves.									
8.6	Body Protection:	No apron required when handling wash stations and deluge showe large quantities of this product, wa	ers should	d be ava	lable. Up	on comp	pletion of v	vork activ			



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0.1	Appagrapag;	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance: Odor:	Light red
9.2 9.3	Odor Threshold:	Ethereal / hydrocarbon odor
9.4	pH:	NA 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:	0.75
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	5.0-7.0 cSt @ 104 °F
9.17	Other Information:	No VOCs
40.4	Otability	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: NO
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.
	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:	
11.9	Physician Recommendations:	Treat symptomatically.
10.4	Environmental Otability	12. ECOLOGICAL INFORMATION
12.1 12.2	Environmental Stability: Effects on Plants & Animals:	There is no specific data available for this product. There is no specific data available for this product.
12.2	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:	
13.1	wasle Dispusal:	Products covered by this SDS, 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



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		14. TRANSPORTATIO	N INFORMATION
The	basic description (ID Numb	per, proper shipping name, hazard class & divisior	n, packing group) is shown for each mode of transportation. Additional
		required by 49 CFR, IATA/ICAO, IMDG and the C	TDGR.
14.1	49 CFR (GND):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		15. REGULATORY	NEORMATION
15.1	SARA Reporting Requirements:		ubject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quant	
15.3	TSCA Inventory Status:	The components of this product are listed on the	
15.4	CERCLA Reportable Quantity:	NA	
15.5	Other Federal Requirements:	NA	
15.6	Other Canadian Regulations:	This product has been classified according t Regulations (CPR) and the SDS contains al	o the hazard criteria of the Controlled Products I of the information required by the CPR. The SL/NDSL. None of the components of this product Class D2B (Other Toxic Effects).
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substan Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Was Substances List (WI).	ncentration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances nces List (MA), Michigan Critical Substances List (MI), Minnesota Right-to-Know List (NJ), New York Hazardous Substances List (NY), shington Permissible Exposures List (WA), Wisconsin Hazardous nown to the State of California to cause cancer, birth defects, or other www.P65Warnings.ca.gov
15.8	Other Requirements:	NA	
		16. OTHER INFO	ORMATION
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Use	only as directed. Avoid contact with eyes. In case of accident or if you show the label where possible). If skin irritation occurs: get medical
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed fo Laboratories, Inc.'s knowledge, the information accuracy, suitability or completeness is not gua provided. The information contained herein rel	DSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG n contained herein is reliable and accurate as of this date; however, ranteed and no warranties of any type, either expressed or implied, are ates only to the specific product(s). If this product(s) is combined with be 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/	CARIES, 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:

RTECS No. Registry of Toxic Effects of Chemical Substances Number	
EINECS No. European Inventory of Existing Commercial Chemical Substances Nur	nber

EXPOSURE LIMITS IN AIR:

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

FIRST AID MEASURES:

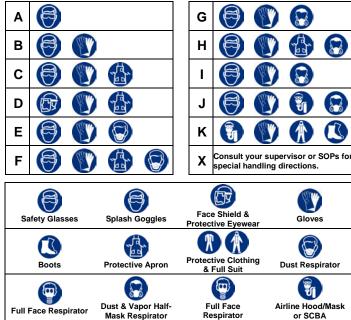
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
	and provide oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

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:



OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

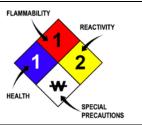
	RETROTECTION ASSOCIATION. NIT A					
FLAMMABILITY LIMITS IN AIR:						
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no ot of ignition					

NATIONAL FIRE PROTECTION ASSOCIATION: NEPA

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will
	explode or ignite in the presence of an ignition source

HAZARD RATINGS:

0	Minimal Hazard	FL
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	
W	Use No Water	HE
ох	Oxidizer	
TREEOII	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 _{to} 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 _{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:

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

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

\bigcirc	۲	٢		Ē	۲		Ř
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

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

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