

# **SAFETY DATA SHEET**

Page 1 of 5 SDS-E-DP5S-6

Prepa	ared to OSHA, ACC, ANSI, N	IOHSC, WHMIS, 2001/	58 & 1272/20	008/EC Standard	ls		SDS	Revisio	on: 4.0		SDS	Revisio	n Date:	1/22/2015
										_				
		1. PR	ODUC	T & COMI	<u>PANY</u>	IDE	NTIF	FICA	ATION	1				
1.1	Product Name:	DEOXIT® DEOXIT		_	Spray	, (P/	N D	P5S	5-6), 1	50 r	mL,			
1.2	Chemical Name:		1011, 0 /	o VOC										
1.3	Synonyms:	NA  DecylT@ D Cories DN DD5C 6												
1.4	Trade Names:	DeoxIT® D-Series; PN DP5S-6												
1.5	Product Uses & Restrictions:		DeoxIT® D-Series  Clean, Deoxidize & Improve Electronic Contacts & Connectors											
1.6	Distributor's Name:		•	ectronic Con	iacis & C	onnecto	ors							
1.7	Distributor's Address:	CAIG Laboratories, Inc. 12200 Thatcher Court, Poway, CA 92064-6876 USA												
1.8	Emergency Phone:					N 404	000		SNI VV	VVV				
		CHEMTREC:		321-30011	+1 (000	) 424	-930	י (כנ	N VV	^^^	)			
1.9	1.9 Business Phone / Fax: +1 (800) 224-4123													
			2 HΔ	ZARDSI	DENT	IFIC.	ΔΤΙζ	NC						
2.1	Hazard Identification:	This product is cl							ac DAN	ICERO	alle (	2000	12	
2	riazara racrimication.	according to the cl										3000	٦	
		DeoxIT®, 100% so									,.			
		WARNING! CAU		RRITATION.										
		Classification: Eye		_										<b>〈!</b> 〉
		Hazard Statement						بميالي	D205.	חסבו.	. Daan		N.	<b>\</b> •/
		Precautionary Sta EYES: Rinse cau												
		easy to do. Contir												
		Today to do: Contin	ido ililoling.	1 007 11 010	n eye m	itation	poroio		, modio	ai aari	100, att	Ontion		
		3. COM	POSITI	ON & ING	REDI	ENT	INF	ORI	MATI	ON				
										URE LI	MITS IN		g/m³)	
						ACG			NOHSC		OSHA			
						pp	m		ppm			ppm		
CHEMICAL NAME(S)		CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
	.,	PROPRIETARY -		NA	25	NA	NA	NF	NF	NF	NA	NA	NA	
DEO	KIT® D-SERIES, D100L	TRADE SECRET		IVA	25	INA	INA	141	INI	INI	INA	INA	INA	
\/\/hito	mineral oil	8042-47-5	NA	NA	75	5	NIA	5	NF	NF	5	NIA	NIA	Ι
vviile	Tilliteral oil	0042-47-3	INA	INA	113	Э	NA	э	INF	INF	Э	NA	NA	
			4.	FIRST All	D MEA	SUF	RES							
4.1	First Aid:	Ingestion: If in	gested, do	not induce	vomiting.	If pro	oduct	has	been sv	wallow	red, d	rink p	lenty	of water or milk
		IMM	EDIATELY	. If the patien	it is vomit	ing, co	ntinue	to of	fer wate	r or m	nilk. N	lever (	give wa	ater or milk to an
														nber. Provide an
				e time at which	ch the m	aterial	was	ingest	ed and	the a	moun	t of th	ne sub	stance that was
			llowed.	act likely: bow	ovor if r	roduct	anto	in tha	0,000	fluch v	with c	onious	omoi	unts of lukewarm
				st 15 minutes l									anioc	illo di lukewalli
													ith pler	nty of water for at
			t 15 minute	, ,					,	,				,
				to fresh air at								f breat	thing s	tops give
				tion. Keep pe							١.			
4.2	Effects of Exposure:			allowed, may		•		•						
				ating to the ey	es. Syn	ptoms	of ov	erexpo	osure m	ay inc	lude i	ednes	s, itch	ing, irritation and
			ering.	and a selection of The					. 1.2		- /			Italiana a CCA Ca
				•	e product	can ca	iuse a	liergic	skin re	actions	s (e.g	., rasn	es, we	elts, dermatitis) in
				individuals.										
4.3	Symptoms of Overexposure:		e expected				. al: al							
4.5	dymptoms of Overexposure.			nal discomfort, in eyes may ca					toring					
										and irr	ritation	of of	foctod	areas. Frostbite
														ermatitis) in some
			iduals.	The product	con cat	ioc and	ngic s	,,,,,,,,,,,,,	Jactions	(c.g.,	IUSII	.s, we	ito, ue	amadda) iii soille
4.4	Acute Health Effects:	Non-irritating whe		directed. Mo	oderate i	ritation	to e	ves a	nd skin	near	affect	ed an	eas	Additionally high
		concentrations of									a11001	.ou all	Juo. 1	, additionally, mgi
4.5	Chronic Health Effects:	Non-irritating whe									toms	in son	ne ser	sitive individuals.
		May also induce s												
4.6	Target Organs:	Eyes, Skin.												



Page 2 of 5 SDS-E-DP5S-6

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SDS Revision: 4.0

SDS Revision Date: 1/22/2015

		4. FIRS	T AID ME	ASURI	ES – co	ont'd					
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, othe target organs (eyes, skin, and	r skin condition	ns, and di		f the HE	AMMAI YSICA	L HAZ			0 0 0
						PR EY	OTECT	SKIN	QUIPM	ENT	В
								Orant			
			REFIGHT							•	
5.1	Fire & Explosion Hazards:	This product is not flammabl temperatures to form toxic ga	ses (e.g., CO,	CO <sub>x</sub> ).				compose	e at higi	n	
5.2	Extinguishing Methods: Firefighting Procedures:	Water, Foam, CO <sub>2</sub> , Dry Chemical. Use water spray to cool unopened containers.									
3.3	Triengiung Freeduces.	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.									
		6. ACCIDI	ENTAL R	ELEAS	E MEA	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	er gloves, respi ate protective e or sand to so "speedy dry" t tpans) and place tible materials e hazard area	rator, eye pequipment i ak up the peo soak up ce into a place (e.g., orgarand keep u	rotection a ncluding go oroduct an material. astic conta nics such a nauthorize	and apron floves and d place in Sweep up iner or place as oil) awa	may be protecting to a control material stic liner by from sell out of	required ve eyev stainer f al using within a spill. Sta area. S	I for cleavear. Use the content of t	an-up of landse a non-continuous disposal. If arking mate container. If and award and award archease a	ge spills. ombustible Do not use erials (e.g., by from spile if it can be
		7. HANDLI	NG & STC	RAGE	INFOR	RMATIC	ON				
7.1	Work & Hygiene Practices:	Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if eye contact is possible. Wash unintentional residues with soap and warm water.									
7.2	Storage & Handling:	Use and store in a cool, dry sunlight. Avoid temperatures damage. To avoid unintention	, well-ventilate above 120 °F	ed location . Keep awa	(e.g., local	al exhaust compatible	ventilati substan	ion, fan ces. Pi	s) away rotect co	rfrom heat ontainers fro	and direc om physica
7.3	Special Precautions:	Clean all spills promptly. Spi	lled material m	ay present	a slipping	hazard.					
		8. EXPOSURE CO	NTDOI 9	& DED	SONA	DDO.	TECT	ION			
8.1	Exposure Limits:		ACGIH		NOHSC	LIKO		OSHA		OTHER	
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH		
8.2	Ventilation & Engineering Controls:	NA  General mechanical (e.g., fa exhaust ventilation to effect product. Ensure appropriate	vely remove a	and preven	t buildup	of vapors	or mist	genera	ted fron	n the hand	ling of this
8.3	Respiratory Protection:	product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).  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 rec when handling or using large	•			se. Safety	/ glasse:	s could	be use		
8.5	Hand Protection:	None required under normal sensitive individuals. When himpervious plastic gloves.									
8.6	Body Protection:	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 involving large quantities of this product, wash any exposed areas thoroughly with soap and water.									



Page 3 of 5 **SDS-E-DP5S-6** 

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SDS Revision: 4.0

SDS Revision Date: 1/22/2015

	9. PHYSICAL & CHEMICAL PROPERTIES
A	
	Light red
	Ethereal / hydrocarbon odor
	NA NA
<u> </u>	NA NA
	NA
Range:	>220 °C (428 °F)
Flashpoint:	>250 °C (482 °F)
Upper/Lower Flammability Limits:	NA NA
Vapor Pressure:	< 0.1 mm Hg @ 20 °C (68 °F)
Vapor Density:	NA NA
Relative Density:	0.72
Solubility:	Soluble
Partition Coefficient (log Pow):	NA NA
Autoignition Temperature:	NA NA
Decomposition Temperature:	NA NA
Viscosity:	5.4-7.5 cSt @ 104 °F
Other Information:	NA
	10. STABILITY & REACTIVITY
Stability:	
Hazardous Decomposition	Stable under normal conditions; unstable with heat or contamination.  Oxides of carbon (CO, CO <sub>2</sub> ).
	, · · · -7
<u> </u>	Will not occur.
	Open flames, sparks, high heat, incompatible substances and direct sunlight.
incompatible Substances.	Avoid extreme heat and ignition sources. Store away from oxidizers.
	11. TOXICOLOGICAL INFORMATION
Routes of Entry:	Inhalation: YES   Absorption: YES   Ingestion: YES
	1120
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.
Acute Toxicity:	Moderate irritation to eyes and skin near affected areas.
Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
Suspected Carcinogen:	No.
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.
Biological Exposure Indices:	NE NE
Physician Recommendations:	Treat symptomatically.
	12. ECOLOGICAL INFORMATION
Environmental Stability:	There is no specific data available for this product.
Effects on Plants & Animals:	There are no specific data available for this product.  There are no specific data available for this product.
	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal
Effects on Aquatic Life:	
Ettects on Aquatic Life:	to overexposed aquatic life.
Effects on Aquatic Life:	
Effects on Aquatic Life:  Waste Disposal:	to overexposed aquatic life.
	Flashpoint:  Upper/Lower Flammability Limits:  Vapor Pressure:  Vapor Density:  Relative Density:  Solubility:  Partition Coefficient (log Pow): Autoignition Temperature: Decomposition Temperature: Viscosity: Other Information:  Stability: Hazardous Decomposition Products: Hazardous Polymerization: Conditions to Avoid: Incompatible Substances:  Routes of Entry: Toxicity Data:  Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproduct: Biological Exposure Indices:



Page 4 of 5 SDS-E-DP5S-6

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SDS Revision: 4.0

SDS Revision Date: 1/22/2015

		5/150, W/11/16, 200 1/30 & 12/2/2000/EG Standards	ODO NEVISION DAIE. 1/22/2013				
	14. TRANSPORTATION INFORMATION						
Tho	basis description (ID Num		n, packing group) is shown for each mode of transportation. Additional				
desc	riptive information may be	e required by 49 CFR, IATA/ICAO, IMDG and the C	r, packing group) is shown for each mode of transportation. Additional 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 I	NFORMATION				
15.1	SARA Reporting Requirements:		eject 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	SCA Inventory.				
15.4	CERCLA Reportable Quantity (RQ):	NA					
15.5	Other Federal Requirements:	(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).					
	16. OTHER INFORMATION						
16.1	Other Information:	In case of accident or if you feel unwell seek r	nly as directed. Keep out of reach of children. Avoid contact with eyes. 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:	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/	EAG 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				



Page 5 of 5 **SDS-E-DP5S-6** 

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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			
<b>EXPOSURE</b>	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

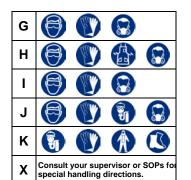
### HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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	
Е			
F		THE STATE OF THE S	





Splash Goggles





Synthetic Apro











Airline Hood/Mask or SCBA

### OTHER STANDARD ABBREVIATIONS:

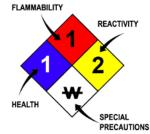
ML	Maximum Limit			
mg/m3	milligrams per cubic meter			
NA	Not Available			
ND	Not Determined			
NE	Not Established			
NF	Not Found			
NR	No Results			
ppm	parts per million			
SCBA	Self-Contained Breathing Apparatus			

## 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:**

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
	<u> </u>



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>Io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>io</sub> , LD <sub>io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub>	
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 K <sub>ow</sub> or log K <sub>oc</sub>	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	<b>*</b>	<b>(2)</b>		$\odot$	(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 ***		*	*		<b>®</b> X	×	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

			$\Diamond$			<b>\(\frac{1}{2}\)</b>		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment