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

SDS Revision: 4.0

SDS Revision Date: 6/15/2015

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	1. PRODUCT & COMPANY IDENTIFICATION									
1.1	Product Name:	DEOXIT® Gold Gx-SERIES, 100% Solution, 0% VOC								
1.2	Chemical Name:	NA NA								
1.3	Synonyms:	DeoxIT® Gx-Series; PN GX100L-UV								
1.4	Trade Names:	DeoxIT® Gold GX100L-UV, 2 ml (Part No. GX100L-UV-2C, GX100L-UV-2CP, GX100L-UV-B2C, GX100L-UV-CPK); DeoxIT® Gold GX100L-UV, 2.3 ml (Part No. GX100L-UV-58D); DeoxIT® Gold GX100L-UV, 7.4 ml (Part No. GX100L-UV-2DB); DeoxIT® Gold GX100L-UV, 12 ml (Part No. GX100L-UV-12C); DeoxIT® Gold GX100L-UV, 25 ml (Part No. GX100L-UV-25C); DeoxIT® Gold GX100L-UV, 26 ml (Part No. GX100L-UV-25C); DeoxIT® Gold GX100L-UV, 236 ml (Part No. GX100L-UV-8); DeoxIT® Gold GX100L-UV, 472 ml (Part No. GX100L-UV-16); DeoxIT® Gold GX100L-UV, 944 ml (Part No. GX100L-UV-32); DeoxIT® Gold GX100L-UV, 30 L (Part No. GX100L-UV-8G); DeoxIT® Gold GX100L-UV, 55 Gal. (Part No. GX100L-UV-55G)								
1.5	Product Uses & Restrictions:									
1.6	Distributor's Name:	,	enhancer for plat	ed and gold pl	iated elec	tronic contac	cts & connectors			
		CAIG Laborat	tories, inc. ner Court, Poway	CA 02064 69	076 LICA					
1.7	Distributor's Address: Emergency Phone:		·			\ 404.000	0 (00N VVV	· · · · · · · · · · · · · · · · · · ·		
			C: +1 (703) 5	27-3887 /	+1 (800) 424-930	U (CCN XXX	XX)		
1.9	Business Phone / Fax:	+1 (800) 224-	4123							
			2 ЦЛ	ZARDS II	DENIT	IFICATIO)N			
2.1	Hazard Identification:	This product						EROUS GOODS	: 1	
		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): H320 – 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.								
		3. C0	OMPOSITION	ON & ING	REDI	ENT INF	ORMATIO	N		
		1	1					RE LIMITS IN AIR (mg	/m³)	
CHEMICAL NAME(S)					OTHER					
			1 [FIRST AII) ME	SIIDES				
4.1	First Aid:		If ingested, do IMMEDIATELY.	not induce v	vomiting. t is vomit	If product	has been swa to offer water	llowed, drink ple or milk. Never gi r local emergenc	ive wate	r or milk to 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								
		Inhalation:	Remove victim to artificial respirat	to fresh air at o				oxygen. If breath	ning stop	s give
4.2	Effects of Exposure:	Ingestion: Eyes:	If product is swa	allowed, may o	cause na	usea, vomitin	g and/or diarrhe		itching	irritation and
		Skin:	watering. May be irritating some sensitive	g to skin. The individuals.				tions (e.g., rashe	_	
1.5	0 1 10	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. 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:							ear affected are	as. Ad	ditionally, high
4.5	Chronic Health Effects:	Non-irritating		directed. Ove	rexposur	e may trigge	r asthma-like s	ymptoms in some	e sensit	ive individuals.
4.6	Target Organs:	Eyes, Skin.	22 2 3311011120			,		,		
	<u> </u>									



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4. FIRST AID MEASURES – cont'd 4.7 Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the HEALTH 0 Aggravated by Exposure: target organs (eyes, skin, and respiratory system). **FLAMMABILITY** 0 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT В EYES SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, COx). 5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. 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. 6. ACCIDENTAL RELEASE MEASURES 6 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 use 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. HANDLING & STORAGE INFORMATION Do not eat, drink or smoke when handling this product. Contents under pressure. Handle as to avoid puncturing 7.1 Work & Hygiene Practices: 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, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use. Special Precautions: 7.3 Clean all spills promptly. Spilled material may present a slipping hazard. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION Exposure Limits: ACGIH NOHSC OSHA OTHER 8.1 ppm (ma/m³) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH NA NA NA NA NF NA NA NA 8.2 Ventilation & Engineering General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station) 8.3 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. 8.4 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. 8.5 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 8.6 Body Protection: 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.



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		9. PHYSICAL & CHEMICAL PROPERTIES
0.1	Appearance:	
9.1	Odor:	Light clear/yellow
9.3	Odor Threshold:	Ethereal / hydrocarbon odor NA
9.4	pH:	NA NA
9.5	Melting Point/Freezing Point:	NA NA
9.6	Initial Boiling Point/Boiling	
	Range:	>240 °C (464 °F)
9.7	Flashpoint:	>280 °C (536 °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 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 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.
	L	g
		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
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. 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
13.2	Special Considerations:	regulations. Dispose of in accordance with federal, state and local regulations. NA



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		44 TRANCRORTATION	INFORMATION		
		14. TRANSPORTATION			
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	ADOR (AOO).	NOT REGULATED			
		15. REGULATORY IN	IFORMATION		
15.1	SARA Reporting Requirements:	This product does not contain any substances subje	ect to SARA Title III, section 313 reporting requirements.		
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities	s for the components of this product.		
15.3	TSCA Inventory Status:	The components of this product are listed on the TS	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).			
		40 OTHER INFO	DMATION		
		16. OTHER INFO			
16.1	Other Information:	In case of accident or if you feel unwell seek me	y 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:	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/	EAST 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:

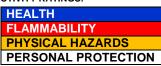
CAS No.	Chemical Abstract Service Number		
EXPOSURE LIMITS IN AIR:			
ACGIH	American Conference on Governmental Industrial Hygienists		
С	Ceiling Limit		
ES	Exposure Standard (Australia)		
IDLH	Immediately Dangerous to Life and Health		
OSHA	U.S. Occupational Safety and Health Administration		
PEL	Permissible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

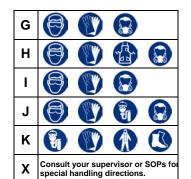
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard	
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	



PERSONAL PROTECTION RATINGS:

Α			
В			
С	(E)	THE STATE OF THE S	
D		THE SECOND SECON	
Е	(E)		
F			





Splash Goggle













Dust & Vapor Half-Mask Respirator



Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

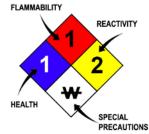
ML	Maximum Limit	
mg/m3	milligrams per cubic meter	
NA	NA Not Available	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
NR	No Results	
ppm	parts per million	
SCBA	Self-Contained Breathing Apparatus	

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				
	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



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 K _{ow} or log K _{oc}	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	U 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:

F.T		M	*		*	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	A Ly		\Leftrightarrow		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment