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Prep	pared to OSHA, ACC,	ANSI, NOHSC, WHMIS	& 2001/58 EC Stand	ards N	ASDS Revision: 3	3.0 MSI	DS Revision Date	e: 01/29/2	2011
1.	. PRODUCT IDENTIFICATION					CHEMICA	L RESPONSE	CARD:	04
1.1	Product Name:		DeoxIT [®] Gold G-Series, G5L-A, 5% Liquid			RESPONSE			
1.2	Chemical Name:	See ingredients list	ed in section 3			TEAM PPE:			
1.3	Synonyms:	DeoxIT® Gold, G5L	-A, 5% Liquid						
1.4	Trade Names:	DeoxIT® Gold, G5L	-A, 5% Liquid						
1.5	Product Use:	Conditioner, enha	ncer for contacts & a	connecto	rs	HEALTH:			1
1.6	Manufacturer's Name:	CAIG Laboratories	, Inc.			FLAMMABIL	.ITY:		2
1.7	Manufacturer's Address:	12200 Thatcher Co	ourt, Poway, CA 9206	4-6876		PHYSICAL H	AZARDS:		0
1.8	Business Phone:	+1 (800)-224-4123				PERSONAL	PROTECTION:		В
1.9	Emergency Phone:	CHEMTREC: +1	(703) 527-3887 /	+1 (800) 424-3887	-			
1.10	Other Product Names: DeoxIT® Gold, G5L-25C-A, 5% Liquid, 25 ml DeoxIT® Gold, G5L-4A, 5% Liquid, 118 ml DeoxIT® Gold, G5L-12-A, 5% Liquid, 354 ml DeoxIT® Gold, G5L-32-A, 5% Liquid, 944 ml DeoxIT® Gold, G5L-5G-A, 5% Liquid, 30 L DeoxIT® Gold, G5L-5G-A, 5% Liquid, 55 gallon								
			2 HA7ARD		FICATION				
2.1	2. HAZARD IDENTIFICATION Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). Flammable liquid. Colorless, volatile liquid with ethereal and faint sweetish odor.								
2.2	Routes of Entry:		Inhalation:	YES	Absorption:	YES	Ingestion:		YES
2.3									
2.4	4 Symptoms of Overexposure: EYES: Mild irritation, redness, and watering. SKIN: Contact dermatitis, characterized by localized red or puffy dry skin and itching. INGESTION: Nausea, intestinal discomfort. INHALATION: Mouth, nose, and throat irritation, dizziness, nausea.								
3.5	Acute Health Effects:EYES:Mild irritation.SKIN:Redness, irritation at site of exposure.INGESTION:Gastrointestinal irritation, intestinal discomfort, nausea.INHALATION:Irritating to the upper respiratory tract.								
2.6	2.6 Chronic Health Effects: None reported by the manufacturer.								
2.7	Target Organs: Eyes and skin.								
		t Determined; NE = Not E ormation is included. It is			•			Terms Use	d



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		<u>3. CON</u>	APOSITIO	N & INGRE	DIEN	T INF	ORM	ATIO	N					
								EXPOSURE LIMITS IN AIR (mg/m ³)				1		
						-	GIH om		NOHSC ppm	:		OSHA ppm	۱ <u> </u>	OTHER
						P1		ES-	ES-	ES-		ppin		OTHER
	CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK	TLV	STEL	IDLH	
PETRO	DLEUM NAPHTHA	64742-88-7	X\$5250000	265-191-7	≤ 75	100	NA	NF	NF	NF	100	NA	NA	
1,1,1,	3,3-PENTAFLUOROPROPANE	460-73-1	UNK	419-170-6	≤ 20	300	NA	NF	NF	NF	300	NA	NA	
Deox	IT® G-Series, G100L	TRADE SECRET	NA	NA	≤ 5	NA	NA	NF	NF	NF	NA	NA	NA	
			4. FI	RST AID N	IEAS	JRES								
4.1	First Aid:													
		ves thoroughly te flushing. If ir							es, ho	lding	eyelid	l(s) op	oen to	ensure
	•	contaminate	•						ater. I	f irritat	ion pe	ersists,	seek	prompt
		l attention. Do												• •
	•	enty of water.	•		• •									
		victim to fres						supple	ement	al oxy	gen a	nd se	ek im	mediate
4.2	medical attention. If breathing stops, perform artificial respiration. Medical Conditions Aggravated by Exposure:													
4.2	None reported by the man							HEAL	TH					1
								FLAM	MAI	BILITY				2
								PHYS		. HAZ	ZARI	DS		0
								PROT	ECTI		QUI	ΡΜΕ	NT	
								YES						
			5. FIRE	FIGHTING	MEA	SURE	S							
5.1	Flashpoint & Method:													
	48.8 °C - 54.4 °C (120 °F – 1	30 °F).												
5.2	Autoignition Temperature:													
5.3	Flammability Limits:		lower Explos	sive Limit (LEL):		NA		Jpper E		/e Limit	(LIFL)		N	Δ
5.4	Fire & Explosion Hazards:											•		~
	Carbon dioxide, carbon monoxide, hydrocarbons.													
5.5	Extinguishing Methods:													
	CO ₂ , Alcohol foam, Dry Ch	emical, Water	Fog											
5.6	Firefighting Procedures:	ad calf control	ined breathing		-		-lethine					1 >	0	
	Wear NIOSH/MSHA approv spray to cool containers											·/		
	exposed to direct flame c											$\overline{}$		
	weakening of container st	•					•		•			\backslash	/	
	Prevent runoff from fire co natural waterway.	ontrol or dilutio	on from enteri	ing sewers, dr	aıns, dı	inking	water s	supply,	or an	y				



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	· · · · · ·								
		6. ACCIDENTAL RE	LEASE MEASURES						
5.1	Spills: Secure spill area and deny entry to all unprotected individuals. Individuals involved in the cleanup should wear appropriate personal protective equipment. Area may become slippery. Absorb product onto porous material, such as sand, clay, diatomaceous earth or commercial absorbent material. Place into leak-proof, U.S. DOT-approved containers. If necessary, cover all drains and dike well ahead of the spill to prevent runoff into sewers, drains, and all waterways. Contact appropriate local or provincial authorities for								
		r reporting requirements.	waterways. Contact app	ropriate local or pro					
	-	7. HANDLING & STOR	AGE INFORMATIO	N					
7.1	Work & Hygiene Practic Wash hands thoro skin contact.	es: bughly after using this product and before eating	ı, drinking, or smoking. Ren	nove soiled clothing	to prevent prolonged				
7.2	Storage & Handling: Store at temperatures between 59 °F and 95 °F (15 °C and 35 °C) in a dry, well-ventilated location. Keep away from heat, sparks, open flame, and other sources of ignition. Normal shelf-life: 2-3 years.								
7.3	Special Precautions: Empty containers	can contain flammable vapors. Do not cut, dril	l, grind, weld or perform sin	nilar operations on o	near containers.				
		8. EXPOSURE CONTROLS &	PERSONAL PROTE	CTION					
8.1		ng Controls: ite ventilation (e.g., open doors and windows ilable (e.g., sink, safety shower, eye-wash station		n). Ensure approprie	ate decontamination				
8.2	Respiratory Protection: None required, w	Respiratory Protection: None required, when used with adequate ventilation.							
8.3	Eye Protection: Wear safety glass	es with side shields (ANSI Z87) under normal use	conditions.						
8.4	Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. In such cases, wear rubber or impervious plastic gloves.								
8.5	Body Protection: Use as necessary	to prevent skin contact.							
		9. PHYSICAL & CHE	MICAL PROPERTIES						
2.1	Density:	0.75							
9.2	Boiling Point:	171.1 °C – 204 °C @ 760 mmHg							
9.3	Melting Point:	NA							
9.4	Evaporation Rate:	NA							
9.5	Vapor Pressure:	35 psig @ 20 °C, 50 psig @ 50 °C							
9.6	Molecular Weight:	NA							
	Appearance & Color:	Light amber/yellow liquid							
9.7	Odor Threshold:	Ethereal/hydrocarbon odor							
		Not soluble in water							
9.8	Solubility:								
9.7 9.8 9.9 9.10	Solubility: pH	ND							
9.8 9.9	-	ND 10.0 cps							



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Prep	ared to OSHA, ACC, ANSI, NOHS	C, WHMIS & 2001/58 EC Standards	MSDS Revision: 3.0	MSDS Revision Date: 01/29/2011			
		10. STABILITY &	REACTIVITY				
10.1	Stability:						
	Stable under normal conditions	of use (see section 7).					
10.2	Hazardous Decomposition Products:						
		ure to ultraviolet light or exceeding	shelf life. Will not degrade to	o unstable products. Discard solution.			
10.3	Hazardous Polymerization: Will not occur.						
10.4	Conditions to Avoid:						
10.4		es, sparks, high heat (>100 °F) or c	other heat sources, and prop	ximity to incompatible substances and			
10.5	Incompatible Substances:						
	Strong oxidizers.						
		11. TOXICOLOGICA	L INFORMATION				
11.1	Toxicity Data:						
		ed on animals to obtain toxicolog scientific literature. These data hav		ology data for the components of this a document			
11.2	Acute Toxicity:						
	See section 2.5						
11.3	Chronic Toxicity:						
	See section 2.6						
11.4	Suspected Carcinogen:						
	NE						
11.5	Reproductive Toxicity:						
	Inis product is not reported to p Mutagenicity:	roduce reproductive toxicity in hun This product is not reported to prod		umans			
·	Embryotoxicity:	This product is not reported to prod This product is not reported to prod					
·	Teratogenicity:	This product is not reported to pro-					
	Reproductive Toxicity:	This product is not reported to pro-					
11.6	Irritancy of Product:						
	See Section 2.3						
11.7	Biological Exposure Indices:						
11.0	NE						
11.8	Physician Recommendations: Treat symptomatically.						
		12. ECOLOGICAL					
12.1	Environmental Stability:	12. LOOLOGICAL					
12.1		rom soil. Components of this produ	ct will slowly decompose int	o organic compounds			
12.2	Effects on Plants & Animals:						
	There is no specific data available for this product.						
12.3	Effects on Aquatic Life:						
	Releases of large volumes of this product are expected to be harmful or fatal to overexposed aquatic life.						
12.4	Environmental Impact (Percent by Weight						
		VOC: 75.0% HFC: 20.	0% ODP: 0.0%				
		13. DISPOSAL CO	NSIDERATIONS				
13.1		ederal, state or local regulations.					
13.2	Special Considerations: EPA Waste Code: D001 (charac	teristic – ignitability)					



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	14. TRANSPORTATION INFORMATION	
	asic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Addi ad by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	tional descriptive information may be
14.1	49 CFR (GND): NOT REGULATED PER 49 CFR 173.150(f)	
14.2	IATA (AIR):	
	CONSUMER COMMODITY, 9, ID8000 (≤ 500 ml)	
	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (> 500 ml)	
14.3	IMDG (OCN): UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, LTD QTY (≤ 5.0 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (> 5.0 L)	
14.4	TDGR (Canadian GND):	
	MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 5.0 L) UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III (> 5.0 L)	FLAMMARI E LIQUID
14.5	ADR/RID (EU):	PEANINABLE EIGOID
	UN1268 PETROLEUM DISTILLATES, N.O.S., 3, III, ADR, LTD QTY (≤ 5.0 L)	0 0511268
	UN1268 PETROLEUM DISTILLATES, N.O.S., 3, III, ADR (> 5.0 L)	3 OEUN UNT
14.6	SCT (MEX):	PER
	UN1268, DESTILADO DEL PETROLEO, N.E.P., 3, III, CANTIDAD LIMITADA (≤ 5.0 L)	
	UN1268, DESTILADO DEL PETROLEO, N.E.P., 3, III (> 5.0 L)	
4.7	ADG5R (EU):	
	UN1268 PETROLEUM DISTILLATES, N.O.S., 3, III, LTD QTY (≤ 5.0 L)	
	UN1268 PETROLEUM DISTILLATES, N.O.S., 3, III, (> 5.0 L)	
	15. REGULATORY INFORMATION	
15.1	SARA Reporting Requirements:	
	NA	
5.2	SARA Threshold Planning Quantity:	
	NA	
5.3	TSCA Inventory Status:	
	All chemical substances of this product are listed on the TSCA inventory or are otherwise exempt from inve	entory status.
5.4	CERCLA Reportable Quantity (RQ): NA	
15.5	Other Federal Requirements:	
	ΝΑ	
15.6	Other Canadian Regulations	
	This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS 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:	
	The primary component of this product is not listed on the following state lists: California OSHA Massachusetts Right to Know List of Chemicals; New Jersey Right to Know List 8:59 Appendix A; Pennsylv List 34 323 Appendix A; Wisconsin Hazardous Substances List NR 605.09; Minnesota Hazardous Substa Substances List.	vania Hazardous Substance
15.8	67/548/EEC (European Union) Requirements: The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: <u>Petroleum Naphtha</u> : Flammable, Harmful (F, Xn). R: 10-65 – Flammable. Harmful: may cause lung damage if swallowed. S: 2-23-24-62 – Keep away from children. Do not breathe gas, fumes, vapor or spray. Avoid contact with skin. If swallowed, do not induce vomiting: seek medical advice immediately and show this MSDS or the container label.	



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 3.0 MSDS Revision Date: 01/29/2011 **16. OTHER INFORMATION** 16.1 Other Information: NA 16.2 Terms & Definitions: See last page of this MSDS. 16.3 Disclaimer This Material 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 are 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. Prepared for: 16.4 CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 +1 (800) CAIG-123 (244-4123) phone +1 (858) 486-8398 fax http://www.caig.com/ Prepared by: 16.5

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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No. Chemical Abstract Service Number

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:

EXPOSURE LIMITS IN AIR:					
ACGIH	American Conference on Governmental Industrial Hygienists				
TLV	Threshold Limit Value				

OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit

IDLH Immediately Dangerous to Life and Health

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.							

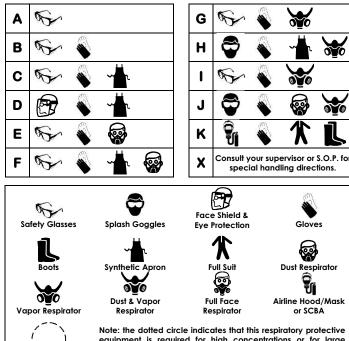
HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH FLAMMABILITY PHYSICAL HAZARDS PERSONAL PROTECTION

PERSONAL PROTECTION RATINGS:



equipment is required for high concentrations or for large volume spills or releases of product.

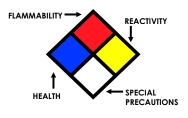
OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
NNF	Not Found
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
	ÿ
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



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the					
	exposed animals s					
10						
LC ₅₀	Lethal concentration (gases) which kills 50% of the					
	exposed animal					
ppm	Concentration expressed in parts of material per					
	million parts					
TD						
TD _{lo}	Lowest dose to cause a symptom					
TCLo	Lowest concentration to cause a symptom					
TDIo, LDIo, & LDo Or	Lowest dose (or concentration) to cause lethal or					
TC, TC _o , LC _{lo} , & LC _o	toxic effects					
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	c 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)				

EC INFORMATION:

		×	¥	8		×	×
С	E	F	Ν	0	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful