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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

		1	PRODUCT		ΣΔΝΥ	IDEI				N					
1.1	Product Name:	1													
			B Gold G-	SERIES,	100%	<b>50I</b>	itior	1, 0%	% VC						
1.2 1.3	Chemical Name: Synonyms:	NA Desult® C.C.	The DNL C1001												
1.3	Trade Names:		eries; PN G100L		00.040				0.04	001 0	יאסי	<b>D</b> = =			2400L 0.2 ml
1.4	Trade Names.	DeoxIT <sup>®</sup> Gold G100L, 2 ml (Part No. G100L-2C, G100L-2CP, G100L-B2C, G100L-CPK); DeoxIT <sup>®</sup> Gold G100L, 2.3 ml (Part No. G100L-58D); DeoxIT <sup>®</sup> Gold G100L, 7.4 ml (Part No. G100L-2DB); DeoxIT <sup>®</sup> Gold G100L, 12 ml (Part No. G100L-12C); DeoxIT <sup>®</sup> Gold G100L, 25 ml (Part No. G100L-25C); DeoxIT <sup>®</sup> Gold G100L, 59 ml (Part No. G100L-2); DeoxIT <sup>®</sup> Gold G100L, 236 ml (Part No. G100L-8); DeoxIT <sup>®</sup> Gold G100L, 354 ml (Part No. G100L-12); DeoxIT <sup>®</sup> Gold G100L, 236 ml (Part No. G100L-8); DeoxIT <sup>®</sup> Gold G100L, 354 ml (Part No. G100L-12); DeoxIT <sup>®</sup> Gold G100L, 472 ml (Part No. G100L-16); DeoxIT <sup>®</sup> Gold G100L, 944 ml (Part No. G100L-32); DeoxIT <sup>®</sup> Gold G100L, 30 L (Part No. G100L-8G); DeoxIT <sup>®</sup> Gold G100L, 55 Gal. (Part No. G100L-55G)													
1.5	Product Uses & Restrictions:		nhancer for plat						onnect	ors					
1.6	Distributor's Name:	CAIG Laborat													
1.7 1.8	Distributor's Address: Emergency Phone:		er Court, Poway				0000				^				
1.9	Business Phone / Fax:	+1 (800) 224-4	C: +1 (703) 5	527-38877	+1 (800	) 424	-9300	) (CC	<b>N X</b>		0				
1.5	Dusiness Fridite / Fax.	+1 (800) 224-4	4123												
			2. HA	ZARDS I											
		DeoxIT <sup>®</sup> , 100 WARNING! C Classification: Hazard Staten Precautionary EYES: Rinse	ne classification % solution is nor CAUSES EYE IF Eye Irritant 2; <u>nents</u> (H): H320 <u>Statements</u> (P) cautiously with ontinue rinsing.	n-volatile, non RRITATION. – Causes eye : P264 – Was water for sev	-hazardo e irritation h thoroug eral minu	us and phly aft utes.	non-fl er han Remov	amma Idling. /e con	ble. P305 tact le	+P35 <sup>°</sup> nses,	1+P33 if pre	38 – eser	t and		
		3. CC	MPOSITIO	ON & ING		ENT	INF	OR	MAT	ION					
												IN A	R (mg/m	<sup>3</sup> )	
			ACGIH NOHSC						SHA						
						рр	m	ES-	ppm ES-	ES-		p	pm		
o									LO-						
CHEM	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL	PEAK		_		LH	OTHER
	PRIETARY MIXTURE	NA	RTECS No. NA	EINECS No. NA	% 60-100	tlv NA	STEL NA	TWA NF	STEL NF	PEAK NF	NA	_		NA	OTHER
												_			OTHER
PROF	PRIETARY MIXTURE	NA	NA 4. F	IRST AII	60-100	NA SUF	NA RES	NF	NF	NF	NA		NAN	NA	
		NA Ingestion: <u>Eyes</u> : <u>Skin</u> : Inhalation:	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t	TRST AII not induce of rson. Contac e time at whice not likely; how st 15 minutes I ly with soap ar s. to fresh air at a	<b>D ME</b> A vomiting. t is vomit t the near ch the m ever, if p ifting upp nd water. once. If t	NA If pr ing, cc rest Pc aterial product er and In cas preathin	NA RES roduct prinue pison C was i gets lower se of co	NF has to to off Control ngeste in the lids, o ontact, cult, a	NF Deen s er wat Cente ed and eyes, ccasio , imme dminis	NF swallo er or er or lo d the flush nally. diatel	wed, wed, milk. bcal er amou with o y flush ygen.	drir Nev mer unt cop	NA N	nty o e wat numi subs mour	f water or m ter or milk to a ber. Provide a stance that wa hts of lukewar ty of water for
PROF	PRIETARY MIXTURE	NA Ingestion: <u>Eyes</u> : <u>Skin</u> : Inhalation:	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes	TRST AII not induce of rson. Contac e time at whice not likely; how st 15 minutes I ly with soap an s. to fresh air at a tion. Keep per	<b>D ME</b> vomiting. t is vomit t the near ch the m ever, if p ifting upp nd water. once. If t rson warr	NA If pr ing, cc rest Pc aterial product er and In cas preathin n, quie	NA oduct ontinue bison C was i gets lower se of co ng diffi t and g	NF has to to off Control ngeste lids, o ontact, cult, arget me	NF Deen s er wat Cente ed and eyes, ccasio , imme dminis dical a	NF swallo er or lo d the flush nally. diatel ter ox	wed, wed, milk. bcal er amou with o y flush ygen.	drir Nev mer unt cop	NA N	nty o e wat numi subs mour	f water or m ter or milk to a ber. Provide a stance that wa hts of lukewar ty of water for
4.1	First Aid:	NA Ingestion: Eyes: Skin: Inhalation: Eyes: Skin:	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive	TIRST AII not induce y . If the patien proon. Contac e time at which not likely; how st 15 minutes I ly with soap ar s. to fresh air at of tion. Keep per allowed, may of ating to the ey g to skin. The individuals.	60-100 <b>D ME</b> vomiting. t is vomit t the neal ch the m ever, if p ifting upp nd water. pnd water. once. If the rson warr cause nau ves. Sym	NA If pr ing, cc rest Pc aterial product er and In cas preathir n, quie usea, v	NA oduct ontinue bison C was i lower se of co ng diffi t and c omitin of ove	NF has to control ngeste in the lids, o ontact, cult, a get me g and/ erexpo	NF Deen st er wat Cente ed and eyes, ccasio , imme dminis dical a or diar osure r	NF swallo er or lo d the flush nally. diatel ter ox ttentio rhea. may ir	wed, milk. ocal er amou with y flush ygen. on.	drir Nev mer unt o cop h sk If t	NA Plen ver give gency of the ious ar in with preathir dness,	tty o e war numi subs mour pleni itchir	f water or m ter or milk to ber. Provide a stance that wants of lukewan ty of water for ops give
4.1 4.2	First Aid:	NA   Ingestion:   Eyes:   Skin:   Inhalation:   Eyes:   Skin:   Inhalation:	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive None expected.	NA FIRST AII not induce y . If the patien proon. Contac the time at which not likely; how st 15 minutes I ly with soap ar s. to fresh air at at tion. Keep per allowed, may of ating to the ey g to skin. The individuals.	60-100 <b>D ME</b> vomiting. t is vomit t the neal ch the m ever, if p ifting upp nd water. pnce. If the rson warm cause nau ves. Sym e product	NA If pr ing, cc rest Pc aterial product er and In cas preathin , quie usea, v ptoms can ca	NA RES oduct ontinue bison C was i gets lower se of co ng diffi t and <u>c</u> omiting of over ause a	NF has to to off control in the lids, o ontact, cult, a get me g and/ erexpo llergic	NF Deen s er wat Cente ed and eyes, ccasio , imme dminis dical a or diar osure r	NF swallo er or lo d the flush nally. diatel ter ox ttentio rhea. may ir	wed, milk. ocal er amou with y flush ygen. on.	drir Nev mer unt o cop h sk If t	NA Plen ver give gency of the ious ar in with preathir dness,	tty o e war numi subs mour pleni itchir	f water or m ter or milk to ber. Provide a stance that wants of lukewan ty of water for ops give
4.1	First Aid:	NA   Ingestion:   Eyes:   Skin:   Inhalation:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Ingestion:   Eyes:   Skin:   Ingestion:   Eyes:   Skin:   Skin:	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive	TRST AII not induce y . If the patien erson. Contac e time at which not likely; how st 15 minutes I ly with soap ar s. to fresh air at of tion. Keep per allowed, may of ating to the ey g to skin. The individuals. mal discomfort, n eyes may ca kin overexpos	60-100 <b>D ME /</b> vomiting. t is vomit t the near ch the m ever, if p ifting upp nd water. once. If the son warr cause naur ves. Sym e product vomiting use redn ure may	NA If pring, cc rest Pc aterial product er and In cas preathir n, quie usea, v ptoms can ca and/or ess, itc include	NA RES oduct ontinue bison C was i gets lower se of co ng diffi t and c omiting of over ause a r diarrh ching a e redn	NF has to to off control in the lids, o ontact, cult, ad get me g and/ erexpo llergic nea. and wa ess, it	NF Deen s der wat Cente ed and eyes, ccasio , imme dminis dical a or diar os diar skin r skin r	NF swallo er or or lo d the flush nally. diatel ter ox tttentic rhea. nay ir eactio	wed, milk. bcal er amou with o y flush ygen. bclude ns (e.g	drin Nev mer unt o cop h sk If t g., 1	Ik plen ver give gency of the ious ar in with preathir dness, rashes,	tty o e war numi subs mour plen itchir , welt	f water or m ter or milk to a ber. Provide a stance that wants of lukewar ty of water for ops give ng, irritation ar ts, dermatitis) areas. Frostb
4.1 4.2	First Aid:	NA   Ingestion:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Inspection:   Eyes:   Skin:   Non-irritating	A If ingested, do IMMEDIATELY. unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive None expected. Nausea, intestir Overexposure in Symptoms of sl like symptoms. individuals.	INA FIRST AII not induce y . If the patien prson. Contac the time at which the patien prson. Contac the the patien the product the product directed. Mo	60-100 <b>D ME /</b> vomiting. t is vomit t the neal ch the m ever, if p ifting upp nd water. once. If th son warr cause nau ves. Sym product vomiting use redn ure may can cau oderate in	NA If pring, cc rest Pc aterial roduct er and In cas oreathir n, quie usea, v ptoms can ca and/or ess, itc include use alle	NA RES oduct ontinue bison C was i gets lower se of co ng diffi t and g omiting of over ause a r diarrh ching a e redn ergic s	NF has to to off control in the lids, o ontact, in the lids, o ontact, g and/ erexpo llergic nea. and wa ess, it kin re	NF Deen s er wat Cente ed and eyes, ccasio , imme dminis dical a or diar os dra no skin r skin r	NF swallo er or or lo d the flush nally. diatel ter ox tttentio rhea. nay ir eactio	wed, milk. bcal er amou with o y flush ygen. bclude ns (e.g	drirr Nev mer unt o cop h sk If t g., i g., i on c hes,	NA NA NA NA Plen ver give gency of the ious ar in with preathir dness, rashes, rashes, of affec	tty o e war numi subs mour plen itchir , welt	f water or m ter or milk to a ber. Provide a stance that w hts of lukewan ty of water for ops give ng, irritation an ts, dermatitis) areas. Frostb matitis) in sor
4.1 4.2	PRIETARY MIXTURE   First Aid:   Effects of Exposure:   Symptoms of Overexposure:	NA   Ingestion:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Inhalation:   Ingestion:   Eyes:   Skin:   Ingestion:   Eyes:   Skin:   Ingestion:   Eyes:   Skin:   Non-irritating concentrations   Non-irritating	A If ingested, do IMMEDIATELY, unconscious pe estimate of the swallowed. Splashes are n water for at leas Wash thoroughl least 15 minutes Remove victim t artificial respirat If product is swa Moderately irrita watering. May be irritating some sensitive None expected. Nausea, intestir Overexposure ir Symptoms of sl like symptoms. individuals.	NA FIRST AII not induce . If the patien rsson. Contac e time at which to fish air at which to fresh air at at to fresh air at to fresh air at at to fresh a	60-100 <b>D ME /</b> vomiting. t is vomit t the nea ch the m ever, if p ifting upp nd water. once. If the rson warr cause nau ves. Sym product vomiting use redn ure may can cau oderate in exes, dizz	NA If pring, cc rest Pc aterial roduct er and In cas preathin n, quie usea, v ptoms can ca and/or ess, ito include ise alle rritation iness, l	NA RES oduct ontinue bison C was i gets lower se of co ng diffi t and c omiting of over ause a r diarrh ching a e redn ergic s n to ey heada	NF has to to off control ingeste in the lids, o ontact, cult, a g and/ erexpo llergic llergic nea. and wa ess, it kkin re yes ar ches a r asth	NF Deen s er wat Cente ed and eyes, ccasio , imme dminis dical a or diar os dr diar os diar os diar os diar skin r skin r ttering, action and na ma-liko	NF swallo er or or lo d the flush nally. diatel ter ox tttentio rhea. nay ir eactio and i s (e.g n nea usea. e sym	wed, milk. Docal er amou with o y flush ygen. Dn. nclude ns (e.g	drir Nev mer unt o cop h sk If t g., 1 g., 1 on c hes, bctec	NA N	tty o e war numi subs mour plen itchir , welt tted a	f water or m ter or milk to a ber. Provide a stance that w hts of lukewar ty of water for ops give ng, irritation a ts, dermatitis) areas. Frostb matitis) in sor additionally, hi



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SDS Revision: 4.0 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 6/15/2015 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 5.1 temperatures to form toxic gases (e.g., CO, CO<sub>x</sub>). 5.2 Extinguishing Methods: Water, Foam, CO<sub>2</sub>, 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 61 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 (mg/m<sup>3</sup>) CHEMICAL NAME(S) TLV STEL ES-TWA ES-STEL ES-PEAK PEL STEL IDLH NA NA NA NA NF NA 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 Controls 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

9.1		
9.1	Appearance:	Light yellow
9.2	Odor:	Ethereal / hydrocarbon odor
9.3	Odor Threshold:	NA
9.4	pH:	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:	0.72
9.12	Solubility:	Soluble
9.13	Partition Coefficient (log Pow):	NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	5.4-7.5 cSt @ 104 °F
9.17	Other Information:	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 <sub>2</sub> ).
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:	
	Chronic Toxicity: Suspected Carcinogen:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.5		This material may aggravate any pre-existing skin condition (e.g., dermatitis). No.
11.5	Suspected Carcinogen:	This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans.
11.5	Suspected Carcinogen: Reproductive Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.
11.5	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.
11.5	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.
11.5	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.
11.5 11.6 11.7	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.
11.5 11.6 11.7	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.5 11.6 11.7 11.8	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE
11.5 11.6 11.7 11.8	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE
11.5 11.6 11.7 11.8 11.9	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE   Treat symptomatically.
11.5 11.6 11.7 11.8 11.9 12.1	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE   Treat symptomatically.
11.5 11.6 11.7 11.8 11.9 12.1 12.2	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE   Treat symptomatically.   There is no specific data available for this product.   There are no specific data available for this product.
11.5 11.6 11.7 11.8 11.9 12.1 12.2	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).   No.   This product is not reported to produce reproductive toxicity in humans.   This product is not reported to produce mutagenic effects in humans.   This product is not reported to produce embryotoxic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause teratogenic effects in humans.   This product is not reported to cause reproductive effects in humans.   The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   NE   Treat symptomatically.   There is 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.   There are no specific data available for this product.
11.4 11.5 11.6 11.7 11.8 11.9 12.1 12.2 12.3 13.1	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	This material may aggravate any pre-existing skin condition (e.g., dermatitis). No. This product is not reported to produce reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause teratogenic effects in humans. This product is not reported to cause reproductive effects in humans. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. NE Treat symptomatically. There is no specific data available for this product. There are no specific data available for this product.



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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

		14. TRANSPORTATIO	N INFORMATION
The	basic description (ID Nun		on, packing group) is shown for each mode of transportation. Additional
		e required by 49 CFR, IATA/ICAO, IMDG and the 0	CTDGR.
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	INFORMATION
15.1	SARA Reporting Requirements:	This product does not contain any substances su	bject to SARA Title III, section 313 reporting requirements.
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quanti	ties for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the	TSCA Inventory.
15.4	CERCLA Reportable Quantity (RQ):	NA	
15.5	Other Federal Requirements:	This product complies with the appropriate section (Cosmetics).	ons of the Food and Drug Administration's 21 CFR Subchapter G,
15.6	Other Canadian Regulations:	Regulations (CPR) and the SDS contains all	o the hazard criteria of the Controlled Products of the information required by the CPR. The SL/NDSL. None of the components of this product
15.7	State Regulatory Information:	No ingredients in this product, present in a cor criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substar Hazardous Substances List (MN), New Jersey	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), on Permissible Exposures List (WA), Wisconsin Hazardous Substances
15.8	Other Requirements:		isted in Annex I of EU Directive 67/548/EEC: <u>fety Phrases:</u> (S) 2-25-45 – Keep out of reach of accident or if you feel unwell seek medical advice
		16. OTHER INF	ORMATION
16.1	Other Information:	WARNING! CAUSES EYE IRRITATION. Use of In case of accident or if you feel unwell seek	nly as directed. Keep out of reach of children. Avoid contact with eyes. medical 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 gua provided. The information contained herein rela- other materials, all component properties must consult the latest edition.	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other r applicability to this product. To the best of ShipMate's & CAIG a 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/	CARGE 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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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 4.0

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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
C	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	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

### PERSONAL PROTECTION RATINGS:

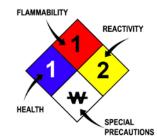
Α			G					
в			Н			E H		
С			I					
D	B		J			Î		
Е			к					
F			X			ervisor or directions	r SOPs foi s.	
Sa	Safety Glasses Splash Goggles			Face Shield & Protective Eyewear				
	Boots	Synthetic Apron		tive Clothi Full Suit	ing I	Dust Resp	birator	
Full I	Face Respir	rator Dust & Vapor Half- Mask Respirator		ull Face espirator	Ai	rline Hoo or SCE		
отн	ER STAN	DARD ABBREVIATIONS	S:					
	ML	Maximum Limit						
mg/m3 milligrams per cubic meter								
	NA	Not Available						
	ND	Not Determined						
	NE	Not Established						
	NF	Not Found						
L	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 oth						
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 w						
	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 <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>lo</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>io</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 Kow or log Koc	Coefficient of Oil/Water Distribution

### REGULATORY INFORMATION:

REGOLATE						
WHMIS	WHMIS Canadian Workplace Hazardous Material Information System					
DOT	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:

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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:

- (														
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С	Е	F	Ν	0	т	Xi	Xn							
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful							

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

			$\Diamond$			<b>\:</b>		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment