

Page 1 of 5 **GG-031P** 

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

SDS Revision: 1.2

		1	PRODUC		PANT			-IC CA							
1.1	Product Name:								110						
			E GOLD C	UARIZE	SRILE										
1.2	Chemical Name:	Aqueous Solu													
1.3	Synonyms:		GG0069, GG0070, GG0071												
1.4	Trade Names:	Granite Gold Quartz Brite <sup>®</sup> (85695400069-2)													
1.5	Product Use:	Cleaner													
1.6	Distributor's Name:		Granite Gold, Inc.												
1.7	Distributor's Address:		eake Drive, Sai												
1.8	Emergency Phone:	CHEMTRE	C +1 (703)	527-3887 / -	<mark>⊦1 (800</mark> )	424-	9300								
1.9	Business Phone / Fax:	Tel: +1 (858)	499-8933												
			2. HA		DENT	IFIC	ΑΤΙΟ	ON							
2.1	Hazard Identification:	This product is not classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOOD classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). This product is NOT clastic according to the OSHA 2012 Hazardous Communication 2012 final rule WARNING! HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE				classifi	ed as ha	azardo							
2.2	Label Elements:		<u>: Acute Tox. 4;</u>				- 0-		Liter term		1.04	0	1		
			ments (H): H30 ous eye irritation		swallowed	I. H31	5 – Ca	luses s	KIN ITT	tation.	H31	9 –			
		SWALLOWE Wash with pl for several m Specific treat Get medical P362 – Take	then using this D: call a POISC enty of soap an inutes. Remove ment: see sec advice/attentio e off contamina an approved wa	DN CENTER/do d water. P305 ve contact lens tion 4 of this S n. P337+P313 ated clothing a	octor. P3 +P351+P3 es, if pres afety Dat If eye ir and wash	30 – Ri 338 – I sent an a Shee ritation	inse m F IN E Id easy et. P33 I persi	outh. I YES: F y to do 82+P31 st: Get	P302+ Rinse . Con 3 - If t med	P352 cautiou tinue r skin irr ical ac	– IF C usly w insing itatior lvice/a	DN SKII vith wate g. P321 n occur attentio	N: er - s: n.		
2.3	Other Warnings:		of an exposure			ving th	is proc	duct n	0360	contac	tank	Neiciar		al noiso	n cont
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4.2	ER PRIETARY INGREDIENTS GRANCE First Aid: Effects of Exposure:	3. Co	RTECS No.     ZC0110000      NA      NA      A      DO NOT INDU      Center or loca      attention. If v      aspiration.      Flush eyes the ensure comple Remove conta prompt medica Remove victin immediate me      If product is sv      This product c      This product c      Exposure may      Prolonged com     skin reactions     overexposure	CHILDREN.	SREDI % 60-100 1-10 ≤ 0.1 ≤ 0.1 G. Conta elephone s spontant copious a irritation p ng and w o not wear at once. If breathi cause nati icause nati itansient tory tract i may resul s, welts, odness, itc	ENT AC PF TLV NA NA NA NA NA NA SUI AC Che numbe eously, mounts ersists ash aff contai If brea ng sto usea, v eye irrit skin irr rritation t in ble derma hing, a	TINF GIH STEL NA NA NA NA NA RES s of w. s, seek fected minate athing ps, pel romitin tation v. ritation	ES- TWA NF NF NF NF NF NF NF Cat +1 assista victim ater for immed areas ed cloth is diffic form a g and/c with sh with sh with sh me ser g and in son cation o	AAT EXPC NOHSC PPM ES- STEL NF NF NF (703 NF (703 ar at led diate n with s ing ur cult, a ar tificia or diar or diar or ot-ter mort-ter mort-ter f affect	ES- PEAK NF NF NF NF 0 527-: nd insi d lowe ast 15 nedical oap a titil afte dminis l respin rhea. m cont rm exp indivic n of sl ensitive cted are	MITS I PEL NA NA NA NA NA S3887 tructic cered ( minu l atter survey satisfies tructic cered ( minu l atter ration tact w bosure tact w bosure tact w bosure tact w bosure tact w survey	IN AIR (m OSH/ ppm STEL NA NA NA NA NA Or the ons. So (forward attes, ho ntion. atter. If is been upplem. - - 	IDLH NA NA NA NA NA NA NA NA NA NA NA NA NA	t Poison mediate duce the eyelid(s) on persis ly cleano xygen a //s or mis an cause nptoms	a Contr medic e risk open sts, see ed. and see sts.
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Page 2 of 5 **GG-031P** 

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

SDS Revision: 1.2

4.4	Acute Health Effects:	Moderate irritation to eves Mode	arata irrita	tion to el	vin naar aff	acted are	and Acut	a haalth	hazarde r	may ha	L havelab
		Moderate irritation to eyes. Moderate irritation to skin near affected areas. Acute health hazards may be delayed. I common symptoms include irritating properties to eyes, respiratory system and skin.									
1.5	Chronic Health Effects:	No harmful or chronic health effects are expected to occur from a single accidental ingestion. These ingredients r irritating to skin and mucous membrane of the eye and respiratory system. Overexposure may trigger asthr symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity.						ger asthma			
1.6	Torgot Orgono:	allergic dermatitis.									
o 7	Target Organs: Medical Conditions	Eyes, Skin.	in conditi	000 000	dioordoro	of the					4
	Aggravated by Exposure:	Pre-existing dermatitis, other ski target organs (eyes, skin, and res					HEALT				1
		function may be more susceptible					FLAMM		-		0
							PHYSIC	AL HA	ZARDS		0
							PROTE	CTIVE I	EQUIPM	IENT	Α
							EYES	SKI	N		
		5. FIRE	FIGHT	ING N	<b>IEASU</b>	RES					
5.1	Fire & Explosion Hazards:	Will not burn, but decomposition increase the explosive limit range and thermal decomposition, oxida in health hazards	n, which r and burn	nay be o	caused by of flammat	heat, wil	s. As a re	sult of co	ombustior	n	
.2	Extinguishing Methods:	Foam, CO <sub>2</sub> , Water Fog or Dry Ch	nemical								
5.3	Firefighting Procedures:	Fight fires as for surrounding m equivalent self-contained breath fought from a safe distance. Ker with water spray to prevent pres control or dilution from entering so	iing appa ep contai sure build	ratus (S ners coo d-up, aut	CBA) and I until well o-ignition c	protectiv after the or explosi	ve clothing fire is out ion. Preve	g. Fire s . Cool c nt runoff	hould be ontainers from fire	e 5	
		6. ACCIDEN	TAL R			ASUF	RES				
	Spills:         Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. CAUTION – may be slippery if spilled.										
5.1	Spills:	Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door	s <b>lippery</b> on (3.8 L) rs and w	duals inv <b>if spille</b> )) wear indows.	olved in s d. appropriate Remove	pill clear e persona spilled r	nup must al protecti naterial w	ve equip ith abso	oment (e irbent ma	.g., go aterial a	ggles, glov and place
5.1	Spills:	Equipment. <b>CAUTION – may be</b> For <u>small spills</u> (e.g., < 1 gallo	slippery on (3.8 L) rs and w or disposa tside of c ore reuse a (3.8 L)), ransfer liq Remove	duals inv if spilled indows. al. Dispo container deny er uid to co contamin	olved in s d. appropriate Remove se of prope with plent htry to all ntainers fo pated clothi	pill clear spilled r erly in act y of war unprotect r recover ing prom	nup must al protecti naterial w cordance m water a ted indivic y or dispo ptly and w	ve equip ith abso with loca and soap luals. D sal and s vash affe	oment (e irbent ma I, state ar o. Remo vike and o solid dikin ected skir	.g., go aterial a nd fede ove any contain ng mate	ggles, glov and place ral regulation contamina spill with trial to sepa
6.1	Spills:	Equipment. <b>CAUTION – may be</b> For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and our clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r	slippery on (3.8 L) rs and w or disposa tside of c ore reuse n (3.8 L)), ransfer liq Remove runoffs ou	duals inv if spiller indows. al. Dispo container deny er uid to co contamin t of muni	olved in s appropriate Remove se of prope with plent htry to all ntainers fo hated clothi cipal sewe	pill clear spilled r erly in acc y of war unprotect r recover ing prom rs and op	nup must al protecti naterial w cordance w m water a ted indivic y or dispo ptly and w pen bodies	ve equip ith abso with loca and soap luals. D sal and s vash affe	oment (e irbent ma I, state ar o. Remo vike and o solid dikin ected skir	.g., go aterial a nd fede ove any contain ng mate	ggles, glov and place ral regulation contamina spill with trial to sepa
	Spills: Work & Hygiene Practices:	Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and our clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r <b>7. HANDLING</b> Use normal hygiene practices. <i>A</i> eating, drinking, or smoking. Go	slippery on (3.8 L) rs and w or disposa tside of c ore reuse n (3.8 L)), ansfer liq Remove runoffs ou <b>&amp; ST(</b> Avoid dire ood perso	duals inv if spilled )) wear indows. al. Dispo container deny er uid to co contamirit t of muni DRAG ect skin c nal hygie	olved in s d. appropriate Remove se of prope with plent htry to all ntainers fo lated clothic cipal sewe E INFC contact. W	pill clear spilled r erly in acc y of war unprotect r recover ing prom rs and op <b>DRMA</b> (ash hand	al protecti naterial w cordance o m water a ted indivic y or dispo ptly and w ben bodies <b>TION</b> ds thoroug	ve equip ith abso with loca and soap luals. D sal and s vash affe of water	oment (e orbent ma I, state ar o. Remo bike and o solid dikin ected skir r.	.g., go, aterial a nd fede ove any contain ng mate n areas	ggles, glov and place ral regulation contamina spill with rial to sepa with soap uct and be
7.1		Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and our clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r <b>7. HANDLING</b> Use normal hygiene practices. A eating, drinking, or smoking. Go contaminated clothing, are recom	slippery on (3.8 L) rs and w or disposa tside of c ore reuse a (3.8 L)), ransfer liq Remove runoffs ou <b>&amp; ST(</b> Avoid dire ood persoin mended.	duals inv if spilled )) wear indows. al. Dispo container deny er uid to co contamirit t of muni DRAG ect skin c nal hygie	olved in s d. appropriate Remove se of prope with plent htry to all ntainers fo lated clothic cipal sewe E INFC contact. W	pill clear spilled r erly in acc y of war unprotect r recover ing prom rs and op <b>DRMA</b> (ash hand	al protecti naterial w cordance o m water a ted indivic y or dispo ptly and w ben bodies <b>TION</b> ds thoroug	ve equip ith abso with loca and soap luals. D sal and s vash affe of water	oment (e orbent ma I, state ar o. Remo bike and o solid dikin ected skir r.	.g., go, aterial a nd fede ove any contain ng mate n areas	ggles, glov and place ral regulation contamina spill with rial to sepa with soap uct and be
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	Work & Hygiene Practices:	Equipment. CAUTION – may be         For small spills (e.g., < 1 gallon	slippery on (3.8 L) rs and w or disposa tside of co ore reuse a (3.8 L)), ransfer liq Remove runoffs ou <b>&amp; ST(</b> Avoid dire ood person mended.	duals inv if spilled )) wear indows. al. Dispo container deny er uid to co contamiri t of muni DRAG ect skin c nal hygie Keep cor	olved in s appropriate Remove se of prope with plent ntainers fo lated clothic cipal sewe <b>E INFC</b> contact. Wine practice	pill clear spilled r erly in acc y of war unprotect r recover rs and op <b>DRMA</b> (ash hand es, such a sed wher	al protectinaterial w cordance of m water a ted indivic y or dispo ptly and w ben bodies <b>TION</b> ds thoroug as washin	ve equip ith abso with loca and soap luals. D sal and s vash affe of water g any sk g any sk se. Kee	oment (e rbent ma l, state ar o. Remo bike and o solid dikin ected skir r. r using th in contac p this an	.g., go aterial a nd fede ove any contain ng mate n areas is prod	ggles, glov and place ral regulation contamina spill with rial to sepa with soap uct and be and remo
7.1 7.2 7.3	Work & Hygiene Practices: Storage & Handling: Special Precautions: Exposure Limits:	Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and our clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r <b>7. HANDLING</b> Use normal hygiene practices. A eating, drinking, or smoking. Go contaminated clothing, are recom Keep away from sources of heat. Follow all instructions on produce reach of children.	slippery on (3.8 L) rs and w or disposa tside of c ore reuse a (3.8 L)), ransfer liq (3.8 L), ransfer liq	duals inv if spilled )) wear indows. al. Dispo container deny er uid to co contamiri t of muni DRAG ect skin c nal hygie Keep cor	olved in s appropriate Remove se of prope with plent ntainers fo lated clothic cipal sewe <b>E INFC</b> contact. Wine practice	pill clear spilled r erly in acr y of war unprotect r recover ing prom rs and op <b>DRMA</b> (ash hand es, such sed wher AL PF NOHSC	al protecti naterial w cordance of m water a ted indivic y or dispo ptly and v ben bodies <b>TION</b> ds thoroug as washin	ve equip ith abso with loca and soap luals. D sal and s vash affe of water g any sk g any sk se. Kee	oment (e rbent ma l, state ar o. Remo bike and o solid dikin ected skir r. r using th in contac p this an	.g., go aterial a nd fede ove any contain ng mate n areas is prod	ggles, glov and place ral regulation contamina spill with rial to sepa with soap uct and be and remo
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7.1 7.2 7.3	Work & Hygiene Practices: Storage & Handling: Special Precautions: Exposure Limits:	Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and our clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r <b>7. HANDLING</b> Use normal hygiene practices. A eating, drinking, or smoking. Go contaminated clothing, are recom Keep away from sources of heat. Follow all instructions on produce reach of children. <b>8. EXPOSURE CONT</b> CHEMICAL NAME(S) ISOPROPANOL Not required under normal conc	slippery on (3.8 L) rs and w or disposa tside of c ore reuse (3.8 L)), ransfer liq (ansfer liq))))))))))))))))))))))))))))))))))))	duals inv if spiller )) wear indows. al. Dispo container deny er uid to co contamint t of muni <b>DRAG</b> ect skin c nal hygie Keep cor <b>S &amp; PE</b> GIH STEL 400	olved in s appropriate Remove se of prope with plent htry to all ntainers fo lated clothic cipal sewe <b>E INFC</b> contact. W ne practice <b>RSON</b>	pill clear spilled r erly in acc y of war unprotect r recover ing prom rs and op <b>DRMA</b> (ash hand es, such sed wher <b>AL PF</b> NOHSC ES- STEL 500	al protectin naterial w cordance of m water a ted indivic y or dispo ptly and w ben bodies TION ds thoroug as washin n not in us ROTEC	ve equip ith abso with loca and soap luals. D sal and s ash affe of water g any sk se. Keep <b>TION</b>	oment (e rbent ma l, state ar b. Remo bike and disin colid dikin coted skir r using th in contac p this an osha stel 500	.g., go aterial a nd fede ove any contain ng mate n areas is prod t areas d all ch	ggles, glov and place ral regulation contamination spill with rial to sepa with soap uct and be and remo- nemicals ou
.1	Work & Hygiene Practices: Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m <sup>3</sup> ) Ventilation & Engineering Controls:	Equipment. CAUTION – may be For <u>small spills</u> (e.g., < 1 gallo Maximize ventilation (open door appropriate closed container(s) fo Wash all affected areas and ou clothing and wash thoroughly befor For <u>large spills</u> (e.g., ≥ 1 gallon material (e.g., sand or earth). Tr containers for proper disposal. water. Keep spills and cleaning r <b>7. HANDLING</b> Use normal hygiene practices. // eating, drinking, or smoking. Go contaminated clothing, are recom Keep away from sources of heat. Follow all instructions on produce reach of children. <b>8. EXPOSURE CONT</b> <b>6. EXPOSURE CONT</b> <b>6. EXPOSURE CONT</b> Not required under normal cond exhaust ventilation).	slippery on (3.8 L) rs and w or disposa tside of c ore reuse (3.8 L)), ransfer liq (ansfer liq)(ansfer	duals inv if spiller )) wear indows. al. Dispo container deny er uid to co contamint t of muni <b>DRAG</b> ect skin c nal hygie Keep cor <b>S &amp; PE</b> GIH STEL 400 use. U	olved in s appropriate Remove se of prope with plent htry to all ntainers fo lated clothic cipal sewe <b>E INFC</b> contact. W ne practice <b>RSON</b>	pill clear spilled r erly in acc y of war unprotect r recover ing prom rs and op <b>DRMA</b> (ash hand es, such sed wher <b>AL PF</b> NOHSC ES- STEL 500	al protectin naterial w cordance of m water a ted indivic y or dispo ptly and w ben bodies TION ds thoroug as washin n not in us ROTEC	ve equip ith abso with loca and soap luals. D sal and s ash affe of water g any sk se. Keep <b>TION</b>	oment (e rbent ma l, state ar b. Remo bike and disin colid dikin coted skir r using th in contac p this an osha stel 500	.g., go aterial a nd fede ove any contain ng mate n areas is prod t areas d all ch	ggles, glov and place ral regulation contamination spill with rial to sepa with soap uct and be and remo- nemicals ou
7.1 7.2 7.3 .1 3.2	Work & Hygiene Practices: Storage & Handling: Special Precautions: Exposure Limits: ppm (mg/m <sup>3</sup> ) Ventilation & Engineering	Equipment. CAUTION – may be         For small spills (e.g., < 1 gallon	slippery on (3.8 L) rs and w or disposa tside of c ore reuse (3.8 L)), ransfer liq runoffs ou <b>&amp; ST(</b> Avoid direc od person mended. <b>ROLS</b> <b>CROLS</b> <b>AC</b> TLV 200 ditions of us d safety g	duals inv if spiller )) wear indows. al. Dispo container deny er uid to co contamint t of muni <b>DRAG</b> ect skin c nal hygie Keep cor <b>S &amp; PE</b> <u>GIH</u> <u>STEL</u> 400 use. U se. Jlasses o	olved in s appropriate Remove se of prope with plent htry to all ntainers fo iated clothic cipal sewe <b>E INFC</b> contact. W ne practice <b>RSON</b> <b>ES-TWA</b> 200 se with ac	pill clear spilled r erly in acd y of war unprotect r recover ing prom rs and op <b>DRMA</b> /ash hand es, such sed wher <b>AL PF</b> <u>NOHSC</u> ES- STEL 500 dequate V	al protectin naterial w cordance of m water a ted indivic y or dispo ptly and w ben bodies TION ds thoroug as washin n not in us <b>ROTEC</b> ES- PEAK NF ventilation	ve equip ith abso with loca and soap luals. D sal and s ash affe of water g any sk se. Keep <b>TION</b> <u>PEL</u> 400 (e.g., op or eye pr	oment (e rbent ma l, state ar b. Remo bike and disin cosolid dikin ected skir r using th solid dikin costa skir r using th sng bike and disin costa ster 500 pen door	.g., go aterial a nd fede ove any contain ng mate n areas is prod t areas d all ch <u>IDLH</u> 2000 s and	ggles, glov and place ral regulation contamination spill with rial to sepa with soap uct and be and remo- nemicals ou oTHER 400 TV windows, li
7.1	Work & Hygiene Practices:         Storage & Handling:         Special Precautions:         Exposure Limits:         ppm (mg/m³)         Ventilation & Engineering Controls:         Respiratory Protection:	Equipment. CAUTION – may be         For small spills (e.g., < 1 gallon	slippery on (3.8 L) rs and w or disposa tside of c ore reuse a (3.8 L)), ransfer liq Remove unoffs ou <b>&amp; ST(</b> Avoid dire bod person mended. <b>TLV</b> 200 ditions of us d safety g governme peated sk rial use.	duals inv if spiller )) wear : indows. al. Dispo container deny er uid to co contamint t of muni DRAG ect skin c nal hygie Keep cor S & PE GIH STEL 400 use. U se. lasses o ant standa kin contae If neces	olved in s appropriate Remove se of prope with plent htry to all intainers fo lated clothic cipal sewe <b>E INFC</b> contact. Wine practice intainer close <b>RSON</b> ES-TWA 200 se with ac r goggles. ards such ac ct will occu	pill clear spilled r erly in acd y of war unprotect r recover ing prom rs and op <b>DRMA</b> /ash hand es, such sed wher AL PF NOHSC ES- STEL 500 dequate v Use equ as NIOSH	al protectin naterial w cordance of m water a ted indivic y or dispo ptly and w ben bodies <b>TION</b> ds thoroug as washin n not in us <b>ROTEC</b> ES- PEAK NF ventilation	ve equip ith abso with loca and soap luals. D sal and s vash affe of water g any sk se. Keep <b>FTION</b> (e.g., of (e.g., of (e.g., of (e.g., of) r eye pr N 166(E product	oment (e rbent ma l, state and b. Remo- like and dikin ected skir r using th cosha osha stel 500 pen door otection t U). , wear lat	.g., go aterial a nd fede ove any contain ng mate n areas dis prod t areas d all ch <u>IDLH</u> 2000 s and s and	ggles, glov and place ral regulation contamination spill with rial to sepa with soap uct and be and remo- nemicals ou
.1 .2 .3 .3 .3 .4	Work & Hygiene Practices:         Storage & Handling:         Special Precautions:         Exposure Limits:         ppm (mg/m <sup>3</sup> )         Ventilation & Engineering Controls:         Respiratory Protection:         Eye Protection:	Equipment. CAUTION – may be         For small spills (e.g., < 1 gallon	slippery on (3.8 L) rs and w or disposa tside of c ore reuse a (3.8 L)), ransfer liq Remove word fs ou <b>&amp; ST(</b> Avoid dire bod person mended. <b>TLV</b> 200 ditions of us d safety g governme peated sk rial use. , of the E.	duals inv if spiller if spiller if spiller if spiller indows. al. Dispo container deny er uid to co contamir t of muni DRAG ect skin c nal hygie Keep cor <b>S &amp; PE</b> <u>GIH</u> <u>STEL</u> 400 use. U se. llasses o nt standa sin contaa If neces C. memb	olved in s d. appropriate Remove se of prope with plent ntainers fo intainers fo intainers fo intainers fo intainer close intainer close inta	pill clear spilled r spilled r erly in acc and op or recover r recover r recover r recover s and op or <b>DRMA</b> /ash hand es, such sed wher <b>AL PF</b> NOHSC ES- STEL 500 dequate v Use equase r during to to U.S.	al protecti naterial w cordance of m water a ted indivic y or dispo ptly and v ben bodies TION ds thoroug as washin n not in us <b>ROTEC</b> ES- PEAK NF ventilation	ve equip ith abso with loca and soap luals. D sal and s vash affe of water g any sk se. Kee <b>TION</b> e. Kee <b>TION</b> (e.g., o) (e.g., o) or eye pr SN 166(E product O CFR §	oment (e rbent ma l, state and b. Remo- like and dikin solid dikin ected skir r r using th in contac p this and <u>osHA</u> <u>stEL</u> <u>500</u> pen door ctection t U). , wear lat 1910.138	.g., go, aterial a nd fede ove any contain ng mate n areas dis prod t areas d all ch <u>IDLH</u> 2000 s and eested ex or 3, the	ggles, glov and place ral regulation contamination spill with rial to sepa with soap uct and be and remo- nemicals ou oTHER 400 TV windows, li



Page 3 of 5 **GG-031P** 

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

SDS Revision: 1.2

		9. PHYSICAL & CHEMICAL PROPERTIES					
9.1	Appearance:						
9.2	Odor:	Clear to slightly hazy liquid Lemon citrus fragrance					
9.3	Odor Threshold:	NA					
9.4	pH:	7.0 - 8.0					
9.5	Melting Point/Freezing Point:	NA					
9.6	Initial Boiling Point/Boiling						
	Range:	100 °C (212 °F) @ 760 mm Hg					
9.7	Flashpoint:	> 121.11 °C (> 250 °F)					
9.8	Upper/Lower Flammability Limits:	ND					
9.9	Vapor Pressure:	< 30					
9.10	Vapor Density:	NA					
9.11	Relative Density:	1.000 @ 25 °C (77 °F)					
9.12	Solubility:	Complete					
9.13	Partition Coefficient (log Pow):	NA					
9.14	Autoignition Temperature:	NA					
9.15	Decomposition Temperature:	NA					
9.16	Viscosity:	NA					
9.17	Other Information:	0.49% VOC					
		10. STABILITY & REACTIVITY					
10.1	Stability:	Stable under normal conditions of use.					
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO <sub>2</sub> ) and nitrogen (NO <sub>x</sub> ).					
10.3	Products: Hazardous Polymerization:	Will not occur.					
10.4	Conditions to Avoid:						
10.4	Incompatible Substances:	Strong oxidizers.					
10.5	incompatible Substances.	Strong oxidizing agents, strong acids and bases.					
		11. TOXICOLOGICAL INFORMATION					
11.1 11.2	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO					
11.2	Toxicity Data:	This product has not been tested on animals to obtain toxicological data. There are toxicology data for the component of this product, which are found in the scientific literature. These data have not been presented in this document. This product is neither a primary eye nor primary skin irritant per Federal Hazardous Substances Act (FHSA) regulations.					
11.3	Acute Toxicity:	See Section 4.4					
11.4	Chronic Toxicity:	See Section 4.5					
11.4 11.5	Chronic Toxicity: Suspected Carcinogen:	See Section 4.5					
		See Section 4.5 This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen b					
11.5		See Section 4.5 This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen b IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u> .					
11.5	Suspected Carcinogen:	See Section 4.5 This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen b IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe					
11.5	Suspected Carcinogen: Reproductive Toxicity:	See Section 4.5 This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen b IARC. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u> . This product is not reported to produce reproductive toxicity in humans.					
11.5	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity:	See Section 4.5 This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen b IARC. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to <u>www.P65Warnings.ca.gov</u> . 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: Embryotoxicity:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen b         IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to www.P65Warnings.ca.gov.         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:         Teratogenicity:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen b         IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.					
11.5 11.6 11.7 11.8	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen b         IARC. This product does not contain any chemicals known to the State of California to cause cancer or other         reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE					
11.5 11.6 11.7 11.8	Suspected Carcinogen:         Reproductive Toxicity:         Mutagenicity:         Embryotoxicity:         Teratogenicity:         Reproductive Toxicity:         Irritancy of Product:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen be IARC. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> .         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2					
11.5 11.6 11.7 11.8	Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen b         IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe         reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.					
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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: Physician Recommendations:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specifient or the components of this product are as follows:					
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: Physician Recommendations:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specifienvironmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>ow</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatio					
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: Physician Recommendations:	See Section 4.5         This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or othereproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         The symptomatically.         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatio of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated hallows					
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:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or othereproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specifienvironmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatio of plant and animal wastes. When released on land or water, it is apt to volailize and biodegrade. The estimated hal life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.					
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:	See Section 4.5         This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen I         IARC. This product does not contain any chemicals known to the State of California to cause cancer or oth reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         The symptomatically.         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specif environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatic of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated halanot an animal wastes.					
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:	See Section 4.5         This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen I         IARC. This product does not contain any chemicals known to the State of California to cause cancer or oth reproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically. <b>12. ECOLOGICAL INFORMATION</b> The components of this product will slowly degrade over time into a variety of organic compounds. Specif environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatic of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated hal life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.         There are no specific data available for this product.       Pro					
11.5 11.6 11.7 11.8 11.9 12.1 12.2 12.3	Suspected Carcinogen:         Reproductive Toxicity:         Mutagenicity:         Embryotoxicity:         Teratogenicity:         Reproductive Toxicity:         Irritancy of Product:         Biological Exposure Indices:         Physician Recommendations:         Environmental Stability:         Effects on Plants & Animals:         Effects on Aquatic Life:	See Section 4.5         This product contains <u>lsopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or othereproductive harm. For more information go to www.P65Warnings.ca.gov.         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 teratogenic effects in humans.         This product is not reported to produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatio of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated hal life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.         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:	See Section 4.5         This product contains <u>Isopropyl Alcohol</u> , which is not carcinogenic to humans, but is listed as Group 3 carcinogen b IARC. This product does not contain any chemicals known to the State of California to cause cancer or othe reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product is not reported to produce reproductive toxicity 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 produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         The sompoments of this product will slowly degrade over time into a variety of organic compounds. Specifi environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log Kow = 0.05-0.14.       Isopropyl alcohol occurs naturally; it is generated during microbial degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated hall life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.         There are no specific data available for this product.         Product is expected to rapidly disperse in the aquatic environment. <b>13. DISPO</b>					
11.5 11.6 11.7 11.8 11.9 12.1 12.2 12.3	Suspected Carcinogen:         Reproductive Toxicity:         Mutagenicity:         Embryotoxicity:         Teratogenicity:         Reproductive Toxicity:         Irritancy of Product:         Biological Exposure Indices:         Physician Recommendations:         Environmental Stability:         Effects on Plants & Animals:         Effects on Aquatic Life:	See Section 4.5         This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen to IARC. This product does not contain any chemicals known to the State of California to cause cancer or other reproductive harm. For more information go to www.P65Warnings.ca.gov.         This product is not reported to produce reproductive toxicity 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 produce teratogenic effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         This product is not reported to produce reproductive effects in humans.         The product and the produce reproductive effects in humans.         The product show reported to produce reproductive effects in humans.         See Section 4.2         NE         Treat symptomatically.         The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmental data available for the components of this product are as follows:         Isopropyl Alcohol: Log K <sub>OW</sub> = 0.05-0.14. Isopropyl alcohol occurs naturally; it is generated during microbial degradatio					



Page 4 of 5 **GG-031P** 

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

SDS Revision: 1.2

		14. TRANSPORTATIO	N INFORMATION
The desc	basic description (ID Num riptive information may be	ber, proper shipping name, hazard class & division required by 49 CFR, IATA/ICAO, IMDG and the C	n, packing group) is shown for each mode of transportation. Additional 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 I	NFORMATION
15.1	SARA Reporting Requirements:		subject to SARA Title III, Section 313 reporting requirements
15.2	SARA TPQ:	There are no specific Threshold Planning Quanti	
15.3	TSCA Inventory Status:	The components of this product are listed on the	
15.4	CERCLA Reportable Quantity:	NA	
15.5	Other Federal Requirements:	This material does not contain any hazardous	air pollutants. None of the components in this product are listed as the components in this product are listed as toxic pollutants under the
15.6	Other Canadian Regulations:		e hazard criteria of the CPR and the SDS contains The components of this product are listed on the duct are listed on the Priorities Substances List.
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), List (FL), Massachusetts Hazardous Substar Hazardous Substances List (MN), New Jersey Pennsylvania Right-to-Know List (PA), Washingt List (WI). This product does not contain any chemicals keep	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), ton Permissible Exposures List (WA), Wisconsin Hazardous Substances nown to the State of California to cause cancer, birth defects, or other
		reproductive harm. For more information go to w	ww.P65Warnings.ca.gov.
15.8	Other Requirements:	NA	
		16. OTHER INFO	DRMATION
16.1	Other Information:	CAUTION – MAY BE SLIPPERY IF SPILLED handling. Avoid eye contact. Wear protective gl water. IF IN EYES: Rinse continuously with water	AUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. D. Wash exposed skin areas thoroughly with soap and water after loves/eye protection/face protection. IF ON SKIN: Wash with soap and er for several minutes. Remove contact lenses if present and easy to do ccurs – Get medical advice/attention. Store in a well-ventilated place.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to C government regulations must be reviewed for an knowledge, the information contained herein is completeness is not guaranteed and no warra information contained herein relates only to the s	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other oplicability to this product. To the best of ShipMate's & Granite Gold's reliable and accurate as of this date; however, accuracy, suitability or anties of any type, either expressed or implied, are provided. The pecific product(s). If this product(s) is combined with other materials, all ta may be changed from time to time. Be sure to consult the latest
16.4	Prepared for:	Granite Gold, Inc. 9170 Chesapeake Drive San Diego, CA 92123 USA Tel: +1 (858) 499-8933 http://www.granitegold.com/	
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 **GG-031P** 

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

SDS Revision: 1.2 S

SDS Revision Date: 4/3/2018

## **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:**

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#### EXPOSURE LIMITS IN AIR:

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

#### FIRST AID MEASURES:

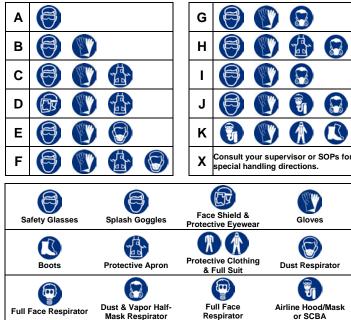
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

## HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

## HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

### PERSONAL PROTECTION RATINGS:



#### OTHER STANDARD ABBREVIATIONS:

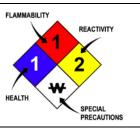
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

## NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

### HAZARD RATINGS:

0	Minimal Hazard	FL/
1	Slight Hazard	FL
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	•
ALK	Alkaline	
COR	Corrosive	/
W	Use No Water	HE
ох	Oxidizer	
TREFOIL	Radioactive	



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	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 <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				
NDSL	Canadian Non-Domestic Substance List				
PSL	Canadian Priority Substances List				
TSCA	U.S. Toxic Substance Control Act				
EU	European Union (European Union Directive 67/548/EEC)				
WGK	Wassergefährdungsklassen (German Water Hazard Class)				

### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

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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

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

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