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

SDS Revision: 3.2

		1												
1.1	Product Name:		. PRODU					_						
		GRANII	E GOLD (DOLDOOF	SIO	NE C	;LE/	ANE	R					
1.2	Chemical Name:	Aqueous Solu												
1.3	Synonyms:	GG0041, GG												
1.4	Trade Names:		Outdoor Stone	Cleaner (207-0	006004-1))								
1.5	Product Use:	Cleaner												
1.6	Distributor's Name:	Granite Gold,	-											
1.7	Distributor's Address:		eake Drive, Sa											
1.8	Emergency Phone:		EC +1 (703)	527-3887 / ·	<mark>⊦1 (800</mark>)	424-	9300							
1.9	Business Phone / Fax:	Tel: +1 (858)	499-8933											
			2. H	AZARDS	IDEN	TIFIC	САТ	ION						
2.1	Hazard Identification:	criteria of NO OSHA 2012 I WARNING! CAUSES SE	HSC: 1088 (20 Hazardous Con	04) and ADG nmunication 20 F SWALLOWE RITATION. H	Code (Aus 12 final ru E D. HAI ARMFUL	stralia). Ile RMFUL IF INH/	. This	produc CONT <i>A</i>	ct is N	OT cla	ssified	l as ha	zardou	o the classification s according to the KIN IRRITATION
2.2	Label Elements:	Causes skin i <u>Precautionary</u> – Do not ea protection. F P330 – Rins POISON CEI with water for rinsing. P33 treatments se	ments (H): H30 irritation. H319 <u>y Statements</u> (F t, drink or smo 2301+P312 – I e mouth. P30 NTER/doctor if or several minu i7+P313 – If e ee this contain	 Causes serie P264 – Was bke when usin F SWALLOWE 2+P352 – IF you feel unwe utes. Remove ye irritation pe er label and s 	bus eye in sh with so g this pro D: Call a ON SKIN: ell. P305- contact l ersists: Ge ection 4	ritation. ap and oduct. POISC Wash +P351+ lenses et medi First Ai	H332 Water P280 ON Cl with P338 if pre ical ac id of t	2 - thorou D – We ENTER plenty – IF II sent au dvice/a this SE	ughly a ear pro /docto of wa N EYE nd ea ttentio DS. F	after ha otective or if yo iter. F ES: Rir sy to o n. P3 2332+F	andling e glov pu feel 2312 - nse ca do. C 21 - 2313 -	j. P27 es/ ey unwel - Call utious continu Specifi - If ski	0 e ll. a ly e ic n	
			irs: Get medica reuse P501 –										a	
2.3	Other Warnings:	was it before In the event	reuse. P501 – of an exposure	Dispose of cor	ntents/ cor quiry invo	ntainer olving th	to an a his pro	approv oduct, j	ed wa please	ste dis conta	posal j ct a p	olant. hysicia	an or lo	cal poison contro Keep out of reach
2.3	Other Warnings:	was it before In the event	reuse. P501 – of an exposure	Dispose of cor	ntents/ cor quiry invo	ntainer olving th	to an a his pro	approv oduct, j	ed wa please	ste dis conta	posal j ct a p	olant. hysicia	an or lo	cal poison contro Keep out of reach
2.3	Other Warnings:	was it before In the event center, who n of children.	reuse. P501 – of an exposure nay seek advic	Dispose of cor e or medical in e from the U.S	ntents/ con quiry invo . manufac	ntainer Iving th cturer, a	to an a his pro and sh	approv oduct, p low the	ed wa please em this	ste dis conta SDS.	posal j ct a p Aqueo	olant. hysicia	an or lo	cal poison contro Keep out of reach
2.3	Other Warnings:	was it before In the event center, who n of children.	reuse. P501 – of an exposure	Dispose of cor e or medical in e from the U.S	ntents/ con quiry invo . manufac	ntainer Iving th cturer, a	to an a his pro and sh	approv oduct, p low the	ed wa please em this	ste dis conta SDS.	posal j ict a p Aqueo	blant. hysicia bus so	an or lo lution.	cal poison contro Keep out of reach
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2.3	Other Warnings:	was it before In the event center, who n of children.	reuse. P501 – of an exposure nay seek advic	Dispose of cor e or medical in e from the U.S	ntents/ con quiry invo . manufac	ntainer Iving th Sturer, a	to an a his pro and sh T IN	approv oduct, i low the	ed wa please m this CMA	ste dis conta SDS. TION	posal j ict a p Aqueo	blant. hysicia bus so N AIR (r	ng/m ³)	cal poison contro Keep out of reach
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CHEM WAT GLY(SOD	CAL NAME(S) ER COL ETHER DB IUM METASILICATE	was it before In the event center, who n of children. 3. CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZCO110000 KJ910000 319 VV9275000 Skin Corr. 1B; S KJ5775000	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3	Meents/ corr quiry invo manufac IGREE % 60-100 1.0-5.0 011.0 1; STOT S 011.0	Action DIEN Action PP TLV NA NA S; H30 3	to an a his pro- and sh T IN GIH OM STEL NA NA 02, H31 NA	ES- TWA NF NF 4, H336 3	ed wa please m this m this m this Exp NOHSC ppm ES- STEL NF NF	ste dis conta SDS. TION OSURE PEAK NF NF NF	Posal j ct a p Aqueo N LIMITS I NE NA NA	N AIR (r OSHA PPM STEL NA NA NA	IDLH NA NA	Кеер out of reach отнея З NIOSH
CHEM WAT GLY(SOD	CAL NAME(S) ER COL ETHER DB	CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Tox.icity	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZCO110000 KJ910000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4;	with the state with the state quiry invo manufactor imanufactor imanufactor imanufactor	Action DIEN Action PP TLV NA Action NA Sign 1B;	to an a his pro- and sh T IN GIH STEL NA NA 02, H31 NA 2, H31 NA	ES- TWA NF NF 4, H336 3 Toxicity	ed wa please m this m this EXP NOHSC ppm ES- STEL NF NF NF	ste dis conta SDS. SDS. TION OSURE PEAK NF NF NF	Posal j ct a p Aqueo N LIMITS I NE NA NA 3 1302, F	N AIR (r osh/ ppm stel NA NA NA	IDLH NA 314, H33	Кеер out of reach отнея З NIOSH
CHEM WAT GLYI SOD	CAL NAME(S) ER COL ETHER DB IUM METASILICATE	CAS No. CAS No. CAS No. CAS No. CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Toxicity NA	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZC0110000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To NA	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3	Meents/ corr quiry invo manufac IGREE % 60-100 1.0-5.0 011.0 1; STOT S 011.0	Action DIEN Action PP TLV NA NA S; H30 3	to an a his pro- and sh T IN GIH OM STEL NA NA 02, H31 NA	ES- TWA NF NF 4, H336 3	ed wa please m this m this m this Exp NOHSC ppm ES- STEL NF NF	ste dis conta SDS. TION OSURE PEAK NF NF NF	Posal j ct a p Aqueo N LIMITS I NE NA NA	N AIR (r OSHA PPM STEL NA NA NA	IDLH NA NA	Кеер out of reach отнея З NIOSH
CHEM WAT GLYI SOD	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE	CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Tox.icity	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZCO110000 KJ910000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To NA ral 4: H302	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4; NA	Meents/ correspondence quiry invo quiry invo manufac IGREE % 60-100 1.0-5.0 011.0 1; STOT S 011.0 Skin Corros 0.1-1.0	ntainer olving th olving th cturer, a olving th	to an a his pro- and sh T IN GIH STEL NA NA 22, H31 NA 24, H31 NA	ES- TWA NF NF 4, H335 3 Toxicity NF	ed wa please m this EXP NOHSC ppm ES- STEL NF NF NF NF	ste dis conta SDS. SDS. TION OSURE ES- PEAK NF NF NF NF	Posal j ct a p Aqueo N LIMITS I PEL NA NA 3 	N AIR (r osh4 ppm stel NA NA NA	IDLH NA 30 314, H33	Кеер out of reach отнея З NIOSH
CHEM WAT GLY4 SOD MON TOM	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE	CAS No. CAS No. CAS No. CAS No. CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Toxicity NA	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZC0110000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To NA	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4;	with the state with the state quiry invo manufactor imanufactor imanufactor imanufactor	Action DIEN Action PP TLV NA Action NA Sign 1B;	to an a his pro- and sh T IN GIH STEL NA NA 02, H31 NA 2, H31 NA	ES- TWA NF NF 4, H336 3 Toxicity	ed wa please m this m this EXP NOHSC ppm ES- STEL NF NF NF	ste dis conta SDS. SDS. TION OSURE PEAK NF NF NF	Posal j ct a p Aqueo N LIMITS I NE NA NA 3 1302, F	N AIR (r osh/ ppm stel NA NA NA	IDLH NA 314, H33	Кеер out of reach отнея З NIOSH
CHEM WAT GLY4 SOD MON TOM	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE ODOL® 901	CAS No. CAS No. CAS No. CAS No. CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Toxicity NA	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZCO110000 KJ910000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To NA ral 4: H302	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4; NA	Meents/ correspondence quiry invo quiry invo manufac IGREE % 60-100 1.0-5.0 011.0 1; STOT S 011.0 Skin Corros 0.1-1.0	ntainer olving th olving th cturer, a olving th	to an a his pro- and sh T IN GIH STEL NA NA 22, H31 NA 24, H31 NA	ES- TWA NF NF 4, H335 3 Toxicity NF	ed wa please m this EXP NOHSC ppm ES- STEL NF NF NF NF	ste dis conta SDS. SDS. TION OSURE ES- PEAK NF NF NF NF	Posal j ct a p Aqueo N LIMITS I PEL NA NA 3 	N AIR (r osh4 ppm stel NA NA NA	IDLH NA 30 314, H33	Кеер out of reach отнея З NIOSH
CHEM WAT GLY4 SOD MON TOM	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE ODOL® 901	CAS No. CAS No. CAS No. CAS No. CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Toxicity NA	reuse. P501 – of an exposure nay seek advic COMPOSI RTECS No. ZC0110000 319 VV9275000 Skin Corr. 1B; S KJ5775000 y-Oral 4; Acute To NA ral 4: H302 NA	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4; NA	Meents/ correspondence quiry invo quiry invo manufac IGREE % 60-100 1.0-5.0 011.0 1,STOT S 011.0 Skin Corros 0.1-1.0 0.0-0.1	ntainer olving th olving th cturer, a olving th	to an a his pro- and sheet and sheet	ES- TWA NF 4, H335 3 Toxicity NF	ed wa please m this EXP NOHSC ppm ES- STEL NF NF NF NF	ste dis conta SDS. SDS. TION OSURE ES- PEAK NF NF NF NF	Posal j ct a p Aqueo N LIMITS I PEL NA NA 3 	N AIR (r osh4 ppm stel NA NA NA	IDLH NA 30 314, H33	Кеер out of reach отнея З NIOSH
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CHEM WAT GLY4 SOD MON TOM	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE ODOL® 901	was it before In the event center, who not children. Generation of children. 3. C CAS No. 7732-18-5 112-34-5 Eye Irrit. 2: H 6834-92-0 Acute Tox. 4; 141-43-5 Acute Tox. 0 NA Acute Tox. 0 Ingestion: DC Or Acute Tox. 0 Or Acute Tox. 0 DC Acute Tox. 0 Skin: Re	reuse. P501 – of an exposure nay seek advice COMPOSICI COMPOSICI C	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4; NA NA FIRST A E VOMITING. cy telephone r pontaneously, ughly with copi p. If irritation penated clothing Do not wear	Intents/ con quiry invo manufac IGREE 60-100 1.0-5.0 011.0 1.0-5.0 011.0 0.1-1.0 0.1-1.0 0.1-1.0 0.0-0.1 0.0-0.1	Intainer Diving the sturer, and the sturer, a	to an a his product of and shi sproduct of and	Approvo boduct, p ow the sow the FOR ES- TWA NF NF 4, H336 3 Toxicity NF NF NF NF S +1 (70 and in ered (f for at l e medic as with until aff	ed wa please m this m t	ste dis conta SDS. SDS. TION OSURE ES- PEAK NF NF NF NF NF NF NF NF	Posal j ct a p Aqueo N LIMITS I PEL NE NA NA NA NA NA Or the Seek i educe t cutes, h ater. I en prop	NAIR (r OSHA PPM STEL NE NA STEL NE NA 3112, H NA 312, H NA 1312, H NA	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	OTHER
CHEM WAT GLY(SOD MON TOM	CAL NAME(S) ER COL ETHER DB IUM METASILICATE OETHANOLAMINE ODOL® 901 GRANCE	was it before In the event center, who not children. Grad colspan="2">Grad colspan="2" Ingestion: Ingestion: Ingestion: Ingestion: Or Colspan="2" Ingestion: Ingestion: Ingestion:	reuse. P501 – of an exposure nay seek advice COMPOSICI COMPOSICI C	Dispose of cor e or medical in e from the U.S TION & IN EINECS No. 231-191-2 203-961-6 229-912-9 erious Eye Dam. 205-483-3 oxicity-Dermal 4; NA NA SE VOMITING. Cy telephone r pontaneously, ughly with copi J. If irritation penated clothing Do not wear fresh air at on	IGREE % 60-100 1.0-5.0 011.0 1.0-5.0 0.1-1.0 Skin Corros 0.1-1.0 Skin Corros 0.1-1.0 Contact C humber fo keep victi ous amou ersists, sei and wash contamina ce. If brea	Intainer Diving th Diving th DIEN Acc PP TLV NA Sion 1B; NA NA NA NA ChemTr or assis m's hea unts of ek imm affected affected athing i	to an a his product of and shi sproduct of an and shi sproduct of an and sproduct of an an and sproduct of an an an and sproduct of an and sproduct of an and sproduct of an	ES- TWA NF NF NF NF NF NF NF NF NF NF NF NF NF	ed wa please m this m t	ste dis conta SDS. SDS. TION OSURE ES- PEAK NF NF NF NF NF NF NF NF	Posal j ct a p Aqueo N LIMITS I PEL NE NA NA NA NA NA Or the Seek i educe t cutes, h ater. I en prop	NAIR (r OSHA PPM STEL NE NA STEL NE NA 3112, H NA 312, H NA 1312, H NA	IDLH NE NA NA NA NA NA NA NA NA NA NA NA NA NA	OTHER



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

SDS Revision: 3.2

		4. FIRST /	AID ME/	ASURES	5					
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may ca Eyes: Moderately irritating to the eyes Skin: This product can cause mild, tu skin reactions (e.g., rashes, we Inhalation: Vapors of this product may be i	ransient skir lts, dermatiti	n irritation wi s) upon prole	th short-to onged or	erm expos	exposure			Ū
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure may include cause redness, itching and watering. The prolonged or repeated exposure.	e redness, i	tching, and i	rritation of	of affected	l areas.	Overexp	osure i	n eyes may
4.4	Acute Health Effects:	Moderate irritation to eyes and skin near affe dizziness, headaches and nausea.	ected areas.	Additionall	y, high co	oncentratio	ons of va	pors can	cause	drowsiness
4.5	Chronic Health Effects:	The material may accentuate any pre-existing	dermatitis o	condition.						
4.6	Target Organs:	Eyes, Skin & Respiratory System.								
4.7	Medical Conditions Aggravated by Exposure:	Persons with pre-existing skin disorders, eye function may be more susceptible to the effec	e problems, ts of the sub	or impaired stance.	kidney	HEALT FLAMM		~		2
										-
						PHYSIC				0
						PROTE			IENT	B
						EYES	SKI	I		
		5. FIREFIGH		EASUR	ES					
5.1	Fire & Explosion Hazards:	This product is a non-flammable liquid. When form toxic gases (e.g., CO , CO_2 , NO_x).	n involved ir	n a fire, this p	product m	ay ignite a	and deco	mpose to	D	
5.2	Extinguishing Methods:	CO2, Halon (if permitted), Dry Chemical, Foan								
5.3	Firefighting Procedures:	When involved in a fire, this product may and First responders should wear eye protection. equipment. Use a water spray or fog to red	Structural	firefighters i	must wea	r SCBAs				
		extinguishing a fire involving this product.								
		6. ACCIDENTAL	RELEA	SE MEA	SURE	S				
		CAUTION – may be slippery if spilled. For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) weat ventilation (open doors and windows) and see place into appropriate closed container(s) for regulations. Wash all affected areas and outs clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., \geq 1 gallon (3.8 L)), der (e.g., sand or earth). Use ONLY non-sparki disposal and solid diking material to separat wash affected skin areas with soap and wate water.	cure all sour or disposal. side of contain ny entry to a ng tools for e container	ces of ignitic Dispose o iner with ple Ill unprotecte recovery an s for proper	n. Remo f properi nty of war ed individ d cleanup disposal.	ove spilled y in acco rm water a uals. Dike D. Transfe Remove	material rdance v and soap e and co er liquid t contami	with abs with local Remov ntain spil to contair nated clo	orbent i , state e any co l with ir ners for othing p	material and and federa ontaminated nert materia recovery o romptly and
		7. HANDLING & S	TORAG	e infof	RMATI	ON				
7.1	Work & Hygiene Practices:	Use normal hygiene practices. Avoid direct s drinking, or smoking. Good personal hygiene clothing, are recommended.								
7.2	Storage & Handling:	Keep away from sources of heat.								
7.3	Special Precautions:	Follow all instructions on product label. Keep children.	o container	closed when	not in us	e. Keep	this and	all chemi	cals ou	t of reach c
		8. EXPOSURE CONTROL	.S & PE	RSONA		TECT	ION			
8.1	Exposure Limits:		ACGIH		NOHSC			OSHA	1	OTHER
	ppm (mg/m ³)	CHEMICAL NAME(S)	LV STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
		MONOETHANOLAMINE	3 NA	3	NF	NF	3	NA	30	3 NIOSH
8.2	Ventilation & Engineering Controls:	General mechanical (e.g., fans) or natural ve ventilation to effectively remove and prevent b an eyewash station, sink or washbasin is avai	ouildup of va	pors or mist	generate	d from the				
8.3	Respiratory Protection:	Not required under normal conditions of use. and respiratory protection is needed, use of State regulations, or the Canadian CAS Stat EC member States, or Australia.	In instances nly protection	where vapo n authorized	ors or spra d by 29 (ays of this CFR §191	0.134, a	pplicable	: U.S.	



11.8

11.9

Biological Exposure Indices:

Physician Recommendations:

See Section 4.2

Treat symptomatically.

NE

SAFETY DATA SHEET

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	41, 200								
Prepa	ared to OSHA, ACC,	ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision: 3.2 SDS Revision Date: 1/28/2018							
	8. EXPOSURE CONTROLS & PERSONAL PROTECTION – cont'd								
8.4	Eye Protection:	Avoid eye contact. Protective eyewear that conforms to ANSI Z87.1 (or other applicable and appropriate standards) should be used when handling any chemical product.							
8.5	Hand Protection:	Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if frequent or prolonged contact is expected.							
8.6	Body Protection:	Not required under normal conditions of use. Use appropriate protective equipment (e.g., apron) as necessary to prevent or reduce exposure if frequent or prolonged contact is expected.							
		9. PHYSICAL & CHEMICAL PROPERTIES							
9.1	Appearance:	Clear to slightly hazy liquid							
9.2	Odor:	Citrus scent							
9.3	Odor Threshold:	NA							
9.4	pH:	10							
9.5	Melting Point/Freezing Point:	NA							
9.6	Initial Boiling Point/Boiling Range:	110 °C (230 °F)							
9.7	Flashpoint:	NA							
9.8	Upper/Lower Flammability Limits:	ND							
9.9	Vapor Pressure:	ND							
9.10	Vapor Density:	NA							
9.11	Relative Density:	1.01							
9.12	Solubility:	1.000 @ 25 °C (77 °F)							
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% VOC							
		10. STABILITY & REACTIVITY							
10.1	Stability:	Stable under normal conditions of use.							
10.2	Hazardous Decomposition Products:	None known.							
10.3	Hazardous Polymerization:	Will not occur.							
10.4	Conditions to Avoid:	Strong oxidizers and reducing agents.							
10.5	Incompatible Substances:	Strong oxidizing agents, strong acids and bases.							
	oubolanoco.								
		11. TOXICOLOGICAL INFORMATION							
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: NO							
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 presented below:							
		Butoxyethanol: LD_{50} (oral, rat) = 470 mg/kg; LC_{50} (inh-4h, rat) = 450 ppm; ACGIH – Biological Exposure Indices (BEI) 200							
44.0	A 4 T 1 1	mg/kg							
11.3	Acute Toxicity:	See Section 4.4							
11.4	Chronic Toxicity:	See Section 4.5							
11.5	Suspected Carcinogen:	No.							
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.							
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.							
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.							
	Teratogenicity: Reproductive Toxicity:	This product is not reported to produce teratogenic effects in humans.							
11.7	Irritancy of Product:	This product is not reported to produce reproductive effects in humans. See Section 4.2							



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	1	12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There are no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.
		13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations.
13.2	Special Considerations:	NA
		·
		14. TRANSPORTATION INFORMATION
The	basic description (ID	Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional ay be required by 49 CFR, IATA/ICAO, IMDG and the 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 subject to SARA Title III, section 313 reporting requirements.
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities 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:	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 priority pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.
15.7	State Regulatory Information:	No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL) Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know Lis (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).
		This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



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		16. OTHER INFO	DRMATION
16.1	Other Information:	SERIOUS EYE IRRITATION. HARMFUL IF INHAL skin areas thoroughly with soap and water after har protection. IF ON SKIN: Wash with soap and wat Remove contact lenses if present and easy to do	UL IN CONTACT WITH SKIN. CAUSE SKIN IRRITATION. CAUSES ED. CAUTION – MAY BE SLIPPERY IF SPILLED. Wash exposed adling. Avoid eye contact. Wear protective gloves/eye protection/face er. IF IN EYES: Rinse continuously with water for several minutes. – continue rinsing. If skin irritation or a rash occurs – Get medical Keep cool. Use only as directed. KEEP OUT OF REACH OF
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for appl knowledge, the information contained herein is rel completeness is not guaranteed and no warranties of contained herein relates only to the specific product	HA's Hazard Communication Standard, 29 CFR §1910.1200. Other icability to this product. To the best of ShipMate's & Granite Gold's iable and accurate as of this date; however, accuracy, suitability or of any type, either expressed or implied, are provided. The information (s). If this product(s) is combined with other materials, all component d from time to time. Be sure to consult the latest edition.
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



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SDS Revision Date: 1/28/2018

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:

	er
RTECS No. Registry of Toxic Effects of Chem	nical Substances Number
EINECS No. European Inventory of Existing C	ommercial Chemical Substances Number

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:

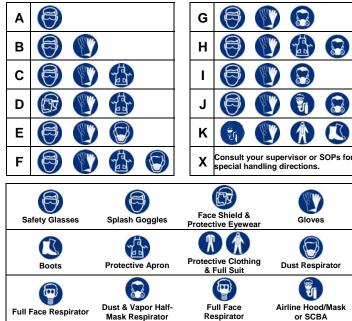
CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
--

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:

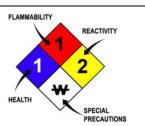
Carc	Carcinogenic
Irrit	Irritant
NA	Not Available
NR	No Results
ND	Not Determined
NE	Not Established
NF	Not Found
SCBA	Self-Contained Breathing Apparatus
Sens	Sensitization
STOT RE	Specific Target Organ Toxicity – Repeat Exposure
STOT SE	Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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

HAZARD RATINGS:

0	Minimal Hazard	FI
1	Slight Hazard	<u>.</u>
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	S
ALK	Alkaline	
COR	Corrosive	
W	Use No Water	H
ох	Oxidizer	
TREFOIL	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals			
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal			
ppm	Concentration expressed in parts of material per million parts			
TD _{to} Lowest dose to cause a symptom				
TCLo Lowest concentration to cause a symptom				
TD _{lo} , LD _{lo} , & LD _o or	TD _{Io} , LD _{Io} , & LD _o or Lowest dose (or concentration) to cause lethal or toxic effects			
TC, TC _o , LC _{io} , & LC _o				
IARC	International Agency for Research on Cancer			
NTP	National Toxicology Program			
RTECS	Registry of Toxic Effects of Chemical Substances			
BCF	Bioconcentration Factor			
TLm	Median threshold limit			
log Kow or log Koo	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:

\bigcirc	۲	٢		Ē	۲		
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