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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 2020/878/EU Standards

SDS Revision: 5.6

SDS Revision Date: 10/12/2023

		1	PRODUC					~ ^ TIC					
1.1	Product Name:							JAIIC	JIN				
			E GOLD F	PENEIRA	TING	SEALI	EK						
1.2 1.3	Chemical Name:	Aqueous Sol											
1.3	Synonyms: Trade Names:		<u> 60056; GG5017</u>		00.4								
1.4	Product Use:		Penetrating Se	ealer (207-0060	JUZ-T)								
1.6	Distributor's Name:	Sealant Granite Gold											
1.7	Distributor's Address:		peake Drive, Sa	n Diogo CA 02	1221100								
1.8	Emergency Phone:					424.03	200						
1.9	Business Phone / Fax:		EC +1 (703)	527-30077	<b>T</b> 1 (000	424-93	000						
1.9	Business Filone / Fax.	Tel: +1 (858)	499-8933										
			<b>2.</b> H	AZARDS	IDENT	<b>IFICA</b>	TION	1					
2.1	Hazard Identification:	Canadian W WARNING! COMBUSTI	accordance wit HMIS and Austr <b>MAY BE HARM</b> BLE LIQUID. <u>n</u> : Acute Tox. 5;	ralian Work He IFUL IF SWAL	alth and S LOWED.	afety. CAUSES	SKIN II						
2.2	Label Elements:	Hazard State Causes seric Precautional other ignition eyes. P270 - eye protectio P300 - Rir P305+P351- lenses, if pre Safety Data irritation pers reuse. P370	ements (H): H30 bus eye irritation ny Statements (I n sources. No s – Do not eat, dr on/face protecti nse mouth. P3 +P338 – IF IN E esent and easy Sheet. P332+F sists: Get medic +P378 – In case ose of contents/	03 – May be ha h. H227 – Com P): P210 – Kee smoking. P264 rink, or smoke e ion. P301+P31 802+P352 – I EYES: Rinse ca to do. Continue P317 - If skin i cal help. P362+ e of fire: Use CO	rmful if sv bustible lid p away fro +P265 – when usin 2 - IF SV F ON SF autiously v e rinsing. I rrritation o ·P364 – T $D_2$ , halon (i	vallowed. quid. om heat, h Wash tho g this pro VALLOWI (IN: Was vith water P321 - Sp ccurs: Ge ake off co f permitte	H315 – not surfa proughly duct. P ED: cal bh with for sev ecific tr ecific tr et medi- ntamin d), dry o	aces, sp y after h 2280 – W II a POIS plenty veral min reatmen ical help lated clo chemica	arks, op andling /ear pro SON CI of soa utes. R t: See s . P337- thing ar	Den fla Do n Detective ENTEF ap and emove ection +P317 nd was	mes an not touc e gloves R/docto d wate e contac 4 of thi – If ey sh befor	nd sh s/ r. ct is e e	
2.3	Other Warnings:	center, who	of an exposure may seek advic <b>OF REACH OF</b>	e from the U.S						ct a ph	nysician	or loca	I poison contro
		3. C	OMPOSIT		GRED	FNT I	NFO	RMA	ΓΙΟΝ				
											N AIR (m	a/m³)	
						ACGI	1	NOHS			OSHA		
						ppm		ppn	ו		ppm	-	
CHEM	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV S		ES- ES- WA STE		PEL	STEL	IDLH	OTHER
													OTTIER
WAT	ER	7732-18-5	ZC0110000	231-191-2	60-100	NE	NE N	NF NF	NF	NE	NE	NE	
PRO	PRIETARY	NA	NA	NA	0.1-5	NA I	NA N	NF NF	NF	NA	NA	NA	
			A				-0						
	Einst Aide			FIRST A				= -	a) ===				<b>.</b>
4.1	First Aid:	Ingestion: Eyes:	Center or loc attention. If v aspiration.	al emergency omiting occurs	telephone spontane	number eously, ke	for ass eep vic	sistance tim's he	and in ad lowe	structio ered (f	ons. Se forward	eek imm ) to red	Poison Control nediate medical luce the risk of velid(s) open to
			ensure compl	ete flushing. If	irritation p	persists, s	eek im	mediate	medica	l atten	ntion.	0.	
		<u>Skin</u> : Inhalation:	prompt medic Avoid breath	al attention. Do	o not wear . Remove	contamin victim t	ated cl o fresh	lothing u h air at	ntil afte once.	r it has If bre	s been µ eathing	oroperly is diffi	cult, administer
			supplemental	oxygen and se	ek immed	ate medio	cal atter	ntion. If	breathir	ng stop	os, perfo	orm artif	icial res



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		4. FIRST A	AID M	EASL	JRES –	cont'	d				
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea.   Eyes: Moderately irritating to the eyes.   Skin: This product can cause mild, transient skin irritation with short-term exposure. This product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.   Inhalation: Vapors of this product may be irritating to the nose, throat and other tissues of the respiratory system.									
4.3	Symptoms of Overexposure:	Symptoms of skin overexposure m cause redness, itching and waterin prolonged or repeated exposure.									
4.4	Acute Health Effects:	Moderate irritation to eyes and skin dizziness, headaches and nausea.		ected are	eas. Additi	onally, hi	gh concen	trations o	of vapors	s can ca	use drowsines
4.5 4.6	Chronic Health Effects:	The material may accentuate any p	pre-existi	ng derm	atitis condi	tion.					
4.0	Target Organs: Medical Conditions	Eyes, Skin & Respiratory System.	orders ev		me or imp	aired					2
	Aggravated by Exposure:	Persons with pre-existing skin disorders, eye problems, or impaired kidney function may be more susceptible to the effects of the substance.			aneu	HEALTI FLAMM		Y		2 0	
							PHYSIC		-		0
							PROTE	CTIVE I		MENT	В
							EYES	SKIN	I		
		5. FIRE	FIGHT	ING	MEASU	JRES					
5.1	Fire & Explosion Hazards:	This product is a non-flammable decompose to form toxic gases (e.	g., CO, C	CO2, NO2		a fire, t	his produc	ct may i	gnite an	nd	
5.2	Extinguishing Methods:	CO <sub>2</sub> , Halon (if permitted), Dry Cher									
5.3	Firefighting Procedures:	This product is a combustible liquidecompose to produce carbon oxid	des.			•		•			
		First responders should wear eye protective equipment. Use a water in actually extinguishing a fire invol	spray or f	og to rec	duce or dire						$\checkmark$
		6. ACCIDEN	TAL R		ASE ME	EASU	RES				
		CAUTION – may be slippery if sp For <u>small spills</u> (e.g., < 1 gallon (3. ventilation (open doors and window and place into appropriate closed of regulations. Wash all affected a contaminated clothing and wash th For <u>large spills</u> (e.g., ≥ 1 gallon (3. (e.g., sand or earth). Use ONLY n disposal and solid diking material t wash affected skin areas with soal of water.	8 L)) wea ws) and s container areas and noroughly 8 L)), dea non-spark to separa	secure a (s) for di d outside before in ny entry ing tools te conta	Il sources o sposal. Dis e of conta reuse. to all unpro for recove iners for pr	of ignition spose of iner with otected in ery and cle oper disp	i. Remove properly ir plenty of idividuals. eanup. Tr iosal. Rem	e spilled n accorda f warm w Dike an ransfer lic nove con	material ince with vater ar d contai juid to co taminate	with about the second soap of	sorbent mater state and fede . Remove a ith inert mater s for recovery ng promptly a
		7. HANDLING	& ST	ORAC		ORMA	TION				
7.1	Work & Hygiene Practices:	Use normal hygiene practices. Avo drinking, or smoking. Good persona clothing, are recommended.	id direct	skin con	tact. Wash	hands th	oroughly a				
7.2	Storage & Handling:	Keep away from sources of heat.									
7.3	Special Precautions:	Follow all instructions on product la children.	abel. Kee	p contai	ner closed	when not	in use. K	eep this	and all c	hemical	s out of reach
		8. EXPOSURE CONT	ROLS	5 & PI	ERSON	IAL PI	ROTE				
8.1	Exposure Limits:		ACO	SIH		NOHSC			OSHA		OTHER
	ppm (mg/m <sup>3</sup> )	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
	Ventilation & Engineering	NA General mechanical (e.g., fans) or ventilation to effectively remove an									
8.2	Controls:	T VEGUIAUOU IO EUECUVEIV (EMOVE 20	iu preven	it pallad	JUI VADOrS	OF THIST O	renerated	nomine	และเดิมที่ด		
8.2	Controls:	that an eyewash station, sink or wa								y 01 u 113	product. Ensu



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	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 liquid
9.2	Odor:	Slight alcohol odor
9.3	Odor Threshold:	NA
9.4	pH:	7.0-8.0
9.5	Melting Point/Freezing Point:	
9.5 9.6	Initial Boiling Point/Boiling	
	Range:	100 °C (212 °F) @ 760 mm Hg
9.7	Flashpoint:	>60°C and <=93°C (estimated)
9.8	Upper/Lower Flammability Limits:	NA
9.9	Vapor Pressure:	NA
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:	2.97% VOC
10.1		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.
		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: <u>Butoxyethanol</u> : LD <sub>50</sub> (oral, rat) = 470 mg/kg; LC <sub>50</sub> (inh-4h, rat) = 450 ppm; ACGIH – Biological Exposure Indices (BEI) 200 mg/kg
11.3	Acute Toxicity:	See Section 4.4
11.4	Chronic Toxicity:	See Section 4.5
11.5	Suspected Carcinogen:	This product contains <u>Butoxyethanol</u> and <u>Isopropyl Alcohol</u> , which are not carcinogenic to humans, but are listed as Group 3 carcinogens by the IARC.
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.
ŀ	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
ŀ	Teratogenicity:	This product is not reported to produce teratogenic effects in humans.
ŀ	Reproductive Toxicity:	This product is not reported to produce reproductive effects in humans.
11.7	Irritancy of Product:	See Section 4.2
11.8	Biological Exposure Indices:	NE
11.9	Physician	Treat symptomatically.
	Recommendations:	······································



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12.1	Environmental Stability:	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 degradation of plant and animal wastes. When released on land or water, it is apt to volatilize and biodegrade. The estimated half-life in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
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 aguatic life.

13. DISPOSAL CON	SIDERATIONS
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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 descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.					
14.1	49 CFR (GND):	NOT REGULATED 49 CFR §173.150(f)(4)				
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 contains Isopropanol, a substance 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 HPR and the SDS contains all of the information required by the HPR. 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:	<u>Isopropanol</u> is found on the following state criteria lists: California Proposition 65 (CA65), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). <u>Butoxyethanol</u> is found on the following state criteria list: FL, MA, MN, NJ, PA and WA. No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI). 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 <u>www.P65Warnings.ca.gov</u> .
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINCS/EINEC, Japan – ENCS; Korea – KECI; New Zealand – NZIoC; (Philippines – PICCS; USA – TSCA.



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		16. OTHER INFORMATION
16.1	Other Information:	WARNING! MAY BE HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. COMBUSTIBLE LIQUID. Use as directed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves/ eye protection/face protection. IF SWALLOWED: call a POISON CENTER/doctor. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment: See section 4 of this Safety Data Sheet. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use CO <sub>2</sub> , halon (if permitted), dry chemical or foam to extinguish. KEEP OUT OF REACH OF CHILDREN.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Granite Gold's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.
16.4	Prepared for:	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



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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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number
200 110.	European internety of Exering Commondar Onomioal Cabolandoo Hambor

#### EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists			
IDLH	IDLH Immediately Dangerous to Life and Health			
NOHSC	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:

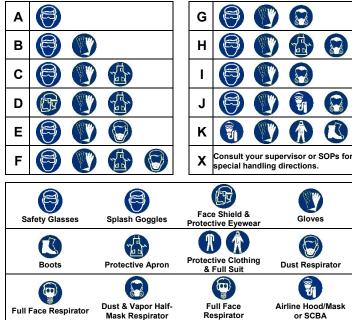
CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide oxygen to the body.

#### 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:

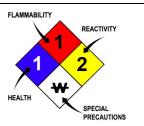
Carc	Carcinogenic		
Irrit	Irritant		
NA	Not Available		
NR	No Results		
ND	Not Determined		
NE Not Established			
NF Not Found			
SCBA	Self-Contained Breathing Apparatus		
Sens	Sensitization		
STOT RE	Specific Target Organ Toxicity – Repeat Exposure		
STOT SE	Specific Target Organ Toxicity – Single Exposure		

### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILI	FLAMMABILITY 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	FL			
1	1 Slight Hazard				
2	Moderate Hazard				
3	Severe Hazard				
4	Extreme Hazard				
ACD					
ALK					
COR	Corrosive	/			
W	Use No Water	HE.			
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			
TDio	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD <sub>lo</sub> , LD <sub>lo</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 Kow or log Koc	Coefficient of Oil/Water Distribution			

#### **REGULATORY INFORMATION:**

WHMIS	WHMIS Canadian Workplace Hazardous Material Information System				
DOT	U.S. Department of Transportation				
тс	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:

0	۲	٨	Ø	Ē	<b>(</b>		
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