

Page 1 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 2/2/2023

		1	PRODUC	T & COM	ΡΔΝΥ	IDE	NTI	ΞICΔ	TIO	N				
1.1	Product Name:	1	Z CLEANE		1 /111	IDL	.14 1 11	107	1110					
1.2	Chemical Name:	Aqueous So												
1.3	Synonyms:	GG0157	idion											
1.4	Trade Names:	Quartz Clear	ner											
1.5	Product Use:	Cleaner	1101											
1.6	Distributor's Name:	Granite Gold	d Inc											
1.7	Distributor's Address:		peake Drive, Sa	n Diego CA 92	123 LISA									
1.8	Emergency Phone:		EC +1 (703)				0300	1						
1.9	Business Phone / Fax:	Tel: +1 (858)		321-3001 1	1 (000) 424	-9300							
	l	1 1 2 1 (000)	,	AZADDO I	DENT	TEIC	ATI	ANI						
2.1	Hazard Identification:	T		AZARDS I										
2.1	nazaru identilitzation.	Canadian W WARNING!	accordance wit HMIS and Austr CAUSES SERI n: Eye Irrit. 2A	alian Work Hea	alth and S	Safety s			nded t	to con	iply w	ith OS	iHA 29 (CFR 1910.1200
2.2	Label Elements:		ements (H): H31	9_ Causes ser	ious eve	irritatio	n							
2.3	Other Warnings:	after handlir protection/fa minutes. Re irritation pers	ry Statements (Ing. P270 – Do lice protection. P move contact lessists: Get medic	not eat, drink, 305+P351+P33 enses, if presen al help.	or smoke 38 – IF IN at and eas	e wher I EYES sy to d	n using 3: Rinse Io. Con	this pecaution	oroduc ously v insing	t. P28 with wa . P337	30 – Water fo 7+P31	Vear e r seve 7– If e	ye ral ye	
2.5	Other warnings.	center, who	of an exposure may seek advice OF REACH OF	e from the U.S.							ct a pr	nysicia	n or loca	al poison contr
		3. C	OMPOSIT	ION & INC	GRED	IENT	ΓINF	ORI	MAT	ION				
								1			LIMITS	N AIR (r		
							CGIH		NOHSC	:		OSH		4
						р	pm	ES-	ppm ES-	ES-		ppn	<u>1</u>	-
HEMI	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL		STEL	PEAK	PEL	STEL	. IDLH	OTHER
VATE	:R	7732-18-5	ZC0110000	231-191-2	60-100	NE	NE	NF	NF	NF	NE	NE	NE	
200	NODANIO!	67-63-0	NT8050000	200-661-7	0.1-1	400	500	400	500	NF	400	500	2000	400 TWA
SOPE	ROPANOL	Flam. Liq. 2;	; Eye Irrit. 2; STOT	SE 3; H225, H31	19, H336								_	
SI YC	OL ETHER DB	112-34-5	KJ910000	203-961-6	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
		Eye Irrit. 2; F		T						1	1			1
ODI	JM LAURYL SULFATE	151-21-3	WT1050000	205-788-1	0.1-1	NA	NA	NF	NF	NF	NA	NA	NA	
		138-86-3	1; Skin Irrit. 2; Eye CS8100000	205-341-0	15, H319 0-0.1	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
-LIM	ONENE		; Skin Irrit. 2; Skin										INA	ALLLINGLIN
ITR/	M.	5392-40-5	NA	226-394-6								NA	NA	ALLERGEN
,111V	\ _	Skin Irrit. 2;	Skin Sens. 1; H31	5, H317										
			1	FIRST AI	D ME	ΔΟΙΙ	RES							
4.1	First Aid:	Ingestion		UCE VOMITIN					1 (702	\ 527	2007	or the	nooroot	Poison Contr
7.1	Tilst Ald.	Ingestion:	Center or loca	al emergency to womiting occurs	elephone	numb	er for	assista	ance a	nd ins	structio	ns. S	Seek imr	nediate medica
		Eyes:											olding e	yelid(s) open t
		Skin:	ensure complete flushing. If irritation persists, seek immediate medical attention.									ater. It		
			prompt medic	al attention. Do	o not wea	r conta	aminate	ed cloth	ning ur	ntil afte	er it ha	s beer	า proper	y cleaned.
		Inhalation:	Remove victir	al attention. Do n to fresh air a edical attention.	at once.	If bre	athing	is diffi	cult, a	dminis	ster su	upplem		•



Page 2 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 1.1

SDS Revision Date: 2/2/2023

	T		FIRST AID MEASURES - cont				
4.2	Effects of Exposure:		ct is swallowed, may cause nausea, vomiting an				
			oduct can cause transient mild eye irritation with			luid sprays or r	nists.
			oduct can cause mild, transient skin irritation with		•		
4.3	Symptoms of Overexposure:		re may cause respiratory tract irritation in some s				-11 1 1 -
4.3	Symptoms of Overexposure.		led contact with skin may result in bleaching and ins (e.g., rashes, welts, dermatitis) in some sensiti				
			redness, itching, and irritation of affected areas.	vo iliaiviada	io. Cymptomo	or ordin overex	poduro me
			posure in eyes may cause redness, itching and v	watering (ris	k of serious da	amage to eyes). Conta
		may ca	use serious eye irritation including stinging, wate	ring, rednes	SS.		
4.4	Acute Health Effects:		eyes. Moderate irritation to skin near affected a			ds may be del	ayed. Mo
4.5	Chronic Health Effects:	,	iclude irritating properties to eyes, respiratory sys			Those ingredia	anta may l
4.5	Chionic Health Ellects.		health effects are expected to occur from a sin- mucous membrane of the eye and respirator				
			ensitive individuals. May also induce skin sens				
		allergic dermatitis.			. ,	31	,
4.6	Target Organs:	Eyes, Skin.					
4.7	Medical Conditions Aggravated by Exposure:		s, other skin conditions, and disorders of the		4		1
	Aggravated by Exposure.		skin, and respiratory system) or impaired kidney susceptible to the effects of this substance.	FLAMM	ABILITY		0
		Tunction may be more	susceptible to the effects of this substance.	PHYSIC	AL HAZARI	os	0
					CTIVE EQUI		A
				EYES	SKIN		
				LILO	JKIN		
			5. FIREFIGHTING MEASURES				
	Fire & Explosion Hazards:	Will not burn, but de increase the explosiv and thermal decompoin health hazards	composition, which may be caused by heat, we limit range and burning rate of flammable vapo sition, oxidation products may form and exposur	vill release o	sult of combus	stion	0
5.1 5.2 5.3	Fire & Explosion Hazards: Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosiv and thermal decompoin health hazards Foam, CO ₂ , Water Fo	composition, which may be caused by heat, we limit range and burning rate of flammable vapo sition, oxidation products may form and exposur	vill release ors. As a rese to such pr	sult of combus oducts may re	stion esult	00
5.2	Extinguishing Methods:	Will not burn, but de increase the explosiv and thermal decompoin health hazards Foam, CO ₂ , Water For Fight fires as for surequivalent self-contains	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective or	vill release of the r	sult of combus roducts may re DSH approved should be fou	d or ught	0
5.2	Extinguishing Methods:	Will not burn, but de increase the explosiv and thermal decompt in health hazards Foam, CO ₂ , Water Fo Fight fires as for su equivalent self-conta from a safe distance.	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out.	rill release of rs. As a rese to such professional MSHA/NIColothing. Fire tt. Cool con	oult of combustoducts may respond to the combustories of the combu	d or ught atter	0 0
5.2	Extinguishing Methods:	Will not burn, but de increase the explosive and thermal decompte in health hazards Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent pre	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is our source build-up, auto-ignition or explosion. Prevents	vill release of the control of the c	oducts may re OSH approved should be fou tainers with wa	d or ught atter	00
5.2	Extinguishing Methods:	Will not burn, but de increase the explosive and thermal decompte in health hazards Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent pre	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out.	vill release of the control of the c	oducts may re OSH approved should be fou tainers with wa	d or ught atter	00
5.2	Extinguishing Methods:	Will not burn, but de increase the explosiv and thermal decompt in health hazards Foam, CO ₂ , Water Fo Fight fires as for su equivalent self-conta from a safe distance. spray to prevent pre dilution from entering	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is our source build-up, auto-ignition or explosion. Prevents	vill release or s. As a rese to such program A MSHA/NIC clothing. Fire it. Cool conent runoff frotural waterw	oducts may re OSH approved should be fou tainers with wa	d or ught atter	000
5.2	Extinguishing Methods:	Will not burn, but de increase the explosive and thermal decomposition in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering.	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any na CCIDENTAL RELEASE MEASU pill or leak, individuals involved in spill cleanup mu	rill release of the state of the such properties of the such propert	DSH approved should be found for the control of the	d or ught ater all or	0 0 Equipmen
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any secaution – may be For small spills (e.g.,	composition, which may be caused by heat, we limit range and burning rate of flammable vaposition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any na CCIDENTAL RELEASE MEASU pill or leak, individuals involved in spill cleanup mustippery if spilled.	will release of the such properties. As a reserve to such properties as MSHA/NIC clothing. Fire the such that the	DSH approved a should be found tainers with water control yay.	d or ught atter old or onal Protective oggles, gloves)	. Maximiz
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contains from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any significant contains and safe distance, spray to prevent predilution from entering dilution from entering.	composition, which may be caused by heat, we limit range and burning rate of flammable vaporisition, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevessevers, drains, drinking water supply, or any na policy of the composition of leak, individuals involved in spill cleanup mustippery if spilled.	will release of the such properties. As a reterm of the such properties of the such properties. As a reterm of the such properties of the such properties of the such properties of the such properties of the such properties. As a reterm of the such properties of the such prop	DSH approved a should be found tainers with water and propriete Personal plant (e.g., goaterial and plant pl	d or ught ater onal Protective oggles, gloves) ce into approp	. Maximiz riate close
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contained from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any significant self-contained and self-contained from entering from entering enter	composition, which may be caused by heat, we limit range and burning rate of flammable vaporisition, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national composition of leak, individuals involved in spill cleanup mustilippery if spilled.	will release of the such properties. As a reterm of the such properties of the such properties. As a reterm of the such properties of the	DSH approved a should be found tainers with water a control or operate Personal tainers with water and plant the found tainers with water and plant the found tainers with water and plant the found to found the found	d or light ater on all Protective poggles, gloves) ce into approplations. Wash	. Maximiz riate close all affecte
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decompoin health hazards Foam, CO ₂ , Water For Fight fires as for surequivalent self-contate from a safe distance, spray to prevent predilution from entering 6. A Before cleaning any self-contant from a safe distance, spray to prevent predilution from entering the self-container of the self	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any na policy of the product o	will release of the such properties. As a reterm of the such properties of the such properties. As a reterm of the such properties of the	DSH approved a should be found tainers with water a control or operate Personal tainers with water and plant the found tainers with water and plant the found tainers with water and plant the found to found the found	d or light ater on all Protective poggles, gloves) ce into approplations. Wash	. Maximiz riate close all affecte
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contains from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any secaution of the self-contains of the self-contain	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outside build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any na policy of the product o	ill release of rs. As a rete to such properties of the total and p. Remove	DSH approved a should be fou tainers with wa comment (e.g., go aterial and pland federal regular any contamination or contamination of the contamination of	estion esult d or light ater of or	n. Maximiz riate close all affecte g and was
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decompoin health hazards Foam, CO ₂ , Water Formal Foam, CO ₂ , Water Foam, CO ₂ , Water Foam, and the safe distance. So the safe distance is pray to prevent predilution from entering the safe distance. So the safe distance is pray to prevent predilution from entering the safe distance is pray to prevent predilution from entering the safe distance is provided the safe distance is provided the safe distance in	composition, which may be caused by heat, we limit range and burning rate of flammable vaporisition, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national professional professi	ill release ors. As a rete to such properties of the total properties of the t	DSH approved should be found tainers with war or opening and plant of federal regulations and containers with war of the federal regulation and plant of federal regulations and contained by the federal regulation of the federa	onal Protective orgales, gloves) lations. Wash inated clothing tain spill with irerial to separate	n. Maximiz riate close all affecte g and was nert mater e containe
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. All Before cleaning any secondarine (s) for disposition (open doo container(s) for disposition (e.g., ventilation (open doo container(s) for disposition (e.g., sand or earth), for proper disposal.	composition, which may be caused by heat, we limit range and burning rate of flammable vapo sition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear an ed breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out some build-up, auto-ignition or explosion. Preves sewers, drains, drinking water supply, or any na color leak, individuals involved in spill cleanup mustippery if spilled. 1 gallon (3.8 L)) wear appropriate personal professal. Dispose of properly in accordance with location container with plenty of warm water and so a se. 2 1 gallon (3.8 L)), deny entry to all unprotected in Transfer liquid to containers for recovery or disp Remove contaminated clothing promptly and was	ill release of the control of the co	DSH approved should be found tainers with war or opening and plant of federal regulations and containers with war of the federal regulation and plant of federal regulations and contained by the federal regulation of the federa	onal Protective orgales, gloves) lations. Wash inated clothing tain spill with irerial to separate	n. Maximiz riate close all affecte g and was nert mater e containe
5.2 5.3	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. All Before cleaning any secondarine (s) for disposition (open doo container(s) for disposition (e.g., ventilation (open doo container(s) for disposition (e.g., sand or earth), for proper disposal.	composition, which may be caused by heat, we limit range and burning rate of flammable vaporisition, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national professional professi	ill release of the control of the co	DSH approved should be found tainers with war or opening and plant of federal regulations and containers with war of the federal regulation and plant of federal regulations and contained by the federal regulation of the federa	onal Protective orgales, gloves) lations. Wash inated clothing tain spill with irerial to separate	n. Maximiz riate close all affecte g and was nert mater e containe
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO2, Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any section of the self-container (s) for disposareas and outside of thoroughly before received. For large spills (e.g., (e.g., sand or earth), for proper disposal, spills and cleaning received.	composition, which may be caused by heat, we limit range and burning rate of flammable vapo sition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is outly sewers, drains, drinking water supply, or any national cooling of the supply of the sewers, drains, drinking water supply, or any national cooling of the supply of the su	ill release of the state of the	DSH approved should be found tainers with war or opening and plant of federal regulations and containers with war of the federal regulation and plant of federal regulations and contained by the federal regulation of the federa	onal Protective orgales, gloves) lations. Wash inated clothing tain spill with irerial to separate	n. Maximiz riate close all affecte g and was nert materi e containe
5.2	Extinguishing Methods: Firefighting Procedures:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO ₂ , Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any security of the se	composition, which may be caused by heat, we limit range and burning rate of flammable vapo sition, oxidation products may form and exposur g or Dry Chemical rounding materials. Firefighters should wear an ed breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out some build-up, auto-ignition or explosion. Preves sewers, drains, drinking water supply, or any na color leak, individuals involved in spill cleanup mustippery if spilled. 1 gallon (3.8 L)) wear appropriate personal professal. Dispose of properly in accordance with location container with plenty of warm water and so a se. 2 1 gallon (3.8 L)), deny entry to all unprotected in Transfer liquid to containers for recovery or disp Remove contaminated clothing promptly and was	ill release of rs. As a rete to such properties of the total properties of the	DSH approved a should be found tainers with water and control of the control of t	conal Protective poggles, gloves) ce into approplations. Wash inated clothing tain spill with ir grial to separate ith soap and w	n. Maximiz riate close all affecte g and was nert mater e containe vater. Ken
5.2 5.3 6.1	Extinguishing Methods: Firefighting Procedures: Spills:	Will not burn, but de increase the explosive and thermal decompoin health hazards Foam, CO2, Water Formal Foam, CO2, Water Formal safe distance. Spray to prevent predilution from entering 6. A Before cleaning any serventilation (open doo container(s) for disposareas and outside of thoroughly before received. Spray to prevent predilution from entering the serventilation (open doo container(s) for disposareas and outside of thoroughly before received. Spray the serventilation (open doo container(s) for disposareas and outside of thoroughly before received. Spray the serventilation (open disposal spills and cleaning runtiles and c	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Preversewers, drains, drinking water supply, or any national composition of the product o	ill release of rs. As a rete to such properties of the such properti	DSH approved should be found tainers with war or	onal Protective orggles, gloves, ce into approplations. Wash inated clothing tain spill with irerial to separate ith soap and w	n. Maximiz riate close all affecte g and was nert mater e containe vater. Kee
5.2 5.3 6.1	Extinguishing Methods: Firefighting Procedures: Spills: Work & Hygiene Practices:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO2, Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any security of the service of	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national professional professi	ill release of rs. As a rete to such properties of the such properti	DSH approved should be found tainers with war or	onal Protective orggles, gloves, ce into approplations. Wash inated clothing tain spill with irerial to separate ith soap and w	n. Maximiz riate close all affecte g and was nert mater e containe vater. Kee
5.2 5.3 6.1 7.1	Extinguishing Methods: Firefighting Procedures: Spills:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO2, Water For Fight fires as for sure equivalent self-contate from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any section of the section of	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national professional professi	ill release of rs. As a rete to such properties of the such properti	DSH approved should be found tainers with war or	onal Protective orggles, gloves, ce into approplations. Wash inated clothing tain spill with irerial to separate ith soap and w	n. Maximiz riate close all affecte g and was nert mater e containe vater. Kee
5.2 5.3 6.1	Extinguishing Methods: Firefighting Procedures: Spills: Work & Hygiene Practices:	Will not burn, but de increase the explosive and thermal decomposite in health hazards. Foam, CO2, Water For Fight fires as for sure equivalent self-contains from a safe distance, spray to prevent predilution from entering. 6. A Before cleaning any significant of the self-contains of the self-contain	composition, which may be caused by heat, we limit range and burning rate of flammable vaporistion, oxidation products may form and exposuring or Dry Chemical rounding materials. Firefighters should wear and breathing apparatus (SCBA) and protective of Keep containers cool until well after the fire is out assure build-up, auto-ignition or explosion. Prevesewers, drains, drinking water supply, or any national professional professi	ill release of rs. As a rete to such program a MSHA/NIC clothing. Fire tt. Cool content runoff from tural waterwall rective equipals and so ash affected f water. ATION The release of rective equipals and so ash affected f water.	DSH approved a should be found tainers with water and control of the control of t	conal Protective poggles, gloves ce into approplations. Wash inated clothing tain spill with ir crial to separate ith soap and was gethis product ntact areas and	n. Maximizate close all affected and was mert mater e contained water. Ke



Page 3 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 1.1

SDS Revision Date: 2/2/2023

гтера	aled to OSITA, ACC, AND	SI, WHSR, WHMIS, GHS & E				•	Revision: 1.1	•		ni Date.	2/2/2023
		8. EXPOSURE C			& PERS		PROTE	CTION			
8.1	Exposure Limits:		AC			NOHSC	1		OSHA	ı	OTHER
	ppm (mg/m³)	CHEMICAL NAME(S)	TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH	
		ISOPROPANOL	200	400	200	500	NF	400	500	2000	400 TWA
		D-LIMONENE	NA	NA	NF	NF	NF	NA	NA	NA	ALLERGEN
0.0	V (1) (1) (2) (3)	CITRAL	NA	NA	NF	NF	NF	NA .	NA .	NA	ALLERGEN
8.2	Ventilation & Engineering Controls:	Not required under normal ventilation).	condition	is of use.	Use with a	idequate ve	entilation (e.g.	., open doo	ors and w	indows	, local exhaus
8.3	Respiratory Protection:	Not required under normal	condition	ns of use.							
8.4	Eye Protection:	Avoid eye contact. Use appaperoved under appropriat							tion teste	d and	
8.5	Hand Protection:										
8.6	Body Protection:	Not required under normal necessary to prevent or re-	l condition	ns of use	e. Use ap	propriate p			e.g., apro	on) as	
		9. PHYSI	CAL &	CHE	MICAL	PROPE	RTIES				
9.1	Appearance:			CITE	MUAL	INOFE	-111110				
	Appearance: Odor:	Clear to slightly hazy liquid									
9.2		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 mn	n 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.	STAB	ILITY	& REA	CTIVIT	Υ				
10.1	Stability:	Stable under normal condi	tions of u	se.							
10.2	Hazardous Decomposition	Oxides of carbon (CO, CC) ₂) and nit	rogen (NO	D _v).						
10.3	Products: Hazardous Polymerization:	Will not occur.	2/	9 (- ^/-						
	•										
10.4	Conditions to Avoid:	Strong oxidizers.									
10.5	Incompatible Substances:	Strong oxidizing agents, st	rong acid	ls, and ba	ses.						
44.4		11. TO		OGIC			TION			1	
11.1	Routes of Entry:		ES	l	Absorption:	YES			Ingesti		
11.2	T 1 1 D 1								odv data	for the	componente o
	Toxicity Data:	This product has not been this product, which are for product is neither a primary	und in the	e scientifi	c literature	. These da	ata have not	been pres	sented in	this do	ocument. This
11.3	Acute Toxicity:	this product, which are for product is neither a primary See Section 4.4	und in the	e scientifi	c literature	. These da	ata have not	been pres	sented in	this do	ocument. This
11.4	Acute Toxicity: Chronic Toxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5	und in the	e scientific primary s	c literature kin irritant	. These dans	ata have not l Hazardous	been pres Substance	sented in es Act (FI	this do	ocument. This gulations.
	Acute Toxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isoproduct does not contains product does not contains Isoproduct does not contains Isoproduct does not cont	und in the y eye nor copyl Alco ain any c	e scientific primary s hol, which hemicals	c literature kin irritant n is not care known to t	. These danger Federa	ata have not I Hazardous o humans, bu	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4	Acute Toxicity: Chronic Toxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopi	ond in the yeye nor opyl Alcoain any cl	e scientific primary s hol, which hemicals 5Warning	c literature kin irritant n is not care known to the	. These danger Federal cinogenic to the State of	ata have not I Hazardous o humans, bu California to	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4 11.5	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isoporthis product does not content for more information go to	ropyl Alco ain any cl www.P6	e scientific primary s hol, which hemicals 5Warning ace reproce	n is not can known to t s.ca.gov.	. These dans to the state of city in hum	ata have not I Hazardous of humans, but California to ans.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopare This product does not cont For more information go to This product is not reported This product is not reported.	ropyl Alco ain any cl www.P6s d to produ	hol, which hemicals 5Warning uce reproduce mutage	n is not can known to t s.ca.gov. ductive tox genic effect	. These diper Federa	ata have not I Hazardous on humans, but California to ans.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopy This product does not cont For more information go to This product is not reported This product is not reported.	ropyl Alco ain any cl www.P6d d to produ	hol, which hemicals SWarning lice reproduce mutaguce embry	n is not care known to the s.ca.gov. ductive tox genic effect votoxic effect	. These diper Federa cinogenic to be State of city in humanicts in hum	ata have not I Hazardous on humans, but California to ans.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopy This product does not cont For more information go to This product is not reported This product This prod	ropyl Alco ain any cl www.P6d d to produ d to produ d to produ	hol, which hemicals 5Warning uce reproduce mutacuce embryuce terato	c literature kin irritant is not care known to to s.ca.gov. ductive tox genic effect yotoxic effect genic effect genic effect genic effect with the control of the control	These diper Federal cinogenic tone State of city in humanicts in human	ata have not I Hazardous on humans, but California to ans. s. ans. ns.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopy This product does not cont For more information go to This product is not reported.	ropyl Alco ain any cl www.P6d d to produ d to produ d to produ	hol, which hemicals 5Warning uce reproduce mutacuce embryuce terato	c literature kin irritant is not care known to to s.ca.gov. ductive tox genic effect yotoxic effect genic effect genic effect genic effect with the control of the control	These diper Federal cinogenic tone State of city in humanicts in human	ata have not I Hazardous on humans, but California to ans. s. ans. ns.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4 11.5	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopp This product does not cont For more information go to This product is not reported. See Section 4.2	ropyl Alco ain any cl www.P6d d to produ d to produ d to produ	hol, which hemicals 5Warning uce reproduce mutacuce embryuce terato	c literature kin irritant is not care known to to s.ca.gov. ductive tox genic effect yotoxic effect genic effect genic effect genic effect with the control of the control	These diper Federal cinogenic tone State of city in humanicts in human	ata have not I Hazardous on humans, but California to ans. s. ans. ns.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.
11.4 11.5 11.6	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity:	this product, which are for product is neither a primary See Section 4.4 See Section 4.5 This product contains Isopy This product does not cont For more information go to This product is not reported.	ropyl Alco ain any cl www.P6d d to produ d to produ d to produ	hol, which hemicals 5Warning uce reproduce mutacuce embryuce terato	c literature kin irritant is not care known to to s.ca.gov. ductive tox genic effect yotoxic effect genic effect genic effect genic effect with the control of the control	These diper Federal cinogenic tone State of city in humanicts in human	ata have not I Hazardous on humans, but California to ans. s. ans. ns.	been pres Substance t is listed a	sented in es Act (Fl	this do	ocument. This gulations.



Page 4 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 2/2/2023

		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specific environmenta 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 half-life in
2.2	Effects on Plants & Animals:	water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate.
12.2	Effects on Aquatic Life:	There are no specific data available for this product.
12.5	Lifects of Aquatic Life.	Product is expected to rapidly disperse in the aquatic environment.
		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 NA
		14. TRANSPORTATION INFORMATION
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional e required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.
4.1	49 CFR (GND):	NOT REGULATED
4.2	IATA (AIR):	NOT REGULATED
4.3	IMDG (OCN):	NOT REGULATED
4.4	TDGR (Canadian GND):	NOT REGULATED
4.5	ADR/RID (EU):	NOT REGULATED
4.6	SCT (MEXICO):	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements	
15.2	SARA TPQ:	There are no specific Threshold Planning Quantities for the components of this product.
5.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.
5.4	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 priorit pollutants under the CWA. None of the components in this product are listed as toxic pollutants under the CWA.
5.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of theHPR 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. (WHMIS D2B – Other Toxic Effects)
15.7	State Regulatory Information:	Isopropanol is found on the following state criteria list: Massachusetts Hazardous Substances List (MA). No ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteri 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 Hazardou Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvani 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 www.P65Warnings.ca.gov.



Page 5 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards SDS Revision: 1.1 SDS Revision Date: 2/2/2023

		16. OTHER INFO	DRMATION
16.1	Other Information:	areas thoroughly with soap and water after hand contact. Wear eye protection/face protection. IF	TON. Discontinue use if serious irrition develops. Wash exposed skindling. Do not eat, drink, or smoke when using this product. Avoid eye IN EYES: Rinse continuously with water for several minutes. Remove erinsing. If eye irritation persists: Get medical help. Use only as directed.
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.	
16.3	Disclaimer:	government regulations must be reviewed for an knowledge, the information contained herein is completeness is not guaranteed and no warrantie contained herein relates only to the specific produ	SHA'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 s of any type, either expressed or implied, are provided. The information act(s). If this product(s) is combined with other materials, all componentinged 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 https://www.granitegold.com/	THE PARTY AND TH
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 6 of 6 **GG-057**

Prepared to OSHA, ACC, ANSI, WHSR, WHMIS, GHS & EU Standards

SDS Revision: 1.1

SDS Revision Date: 2/2/2023

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

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

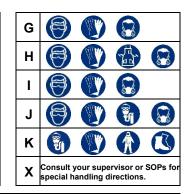
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С			
D			
Е			
F		TH.	





OTHER STANDARD ABBREVIATIONS:

Irritant
Not Available
No Results
Not Determined
Not Established
Not Found
Self-Contained Breathing Apparatus
Sensitization
Specific Target Organ Toxicity – Repeat Exposure
Specific Target Organ Toxicity – Single Exposure

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

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	FLAMMABILITY
1	Slight Hazard	\
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ \ \ \ \
W	Use No Water	HEALTH 🔪
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

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 _{Io}	Lowest dose to cause a symptom			
TCLo	Lowest concentration to cause a symptom			
TD _{Io} , LD _{Io} , & LD _o or Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TCo, LCio, & LCo				
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	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:

0	(*)	(2)		\bigcirc	®		R
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