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GG-001 Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & 1272/2008/EC Standards SDS Revision Date: 1/28/2018 SDS Revision: 4.4 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: **GRANITE GOLD DAILY CLEANER GRANITE GOLD DAILY CLEANER WIPES** Chemical Name: 1.2 Aqueous Solution 13 Synonyms GG0173; GG0045; GG0048; GG0040; GG0032, GG0057 14 Trade Names: Granite Gold Daily Cleaner (207-006000-1); Granite Gold Daily Cleaner Wipes 1.5 Product Use: Cleaner 1.6 Distributor's Name: Granite Gold, Inc. 17 Distributor's Address: 9170 Chesapeake Drive, San Diego CA 92123 USA 1.8 Emergency Phone: CHEMTREC +1 (703) 527-3887 / +1 (800) 424-9300 1.9 Business Phone / Fax: Tel: +1 (858) 499-8933 2. HAZARDS IDENTIFICATION 2.1 Hazard Identification: This product is not classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). This product is NOT classified as hazardous according to the OSHA 2012 Hazardous Communication 2012 final rule WARNING! HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. Classification: Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 22 Label Elements: Hazard Statements (H): H302 - Harmful if swallowed. H315 - Causes skin irritation. H319 -Causes serious eye irritation. H336 – May cause drowsiness or dizziness. Precautionary Statements (P): P261 - Avoid breathing mist/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves. P301+P312 - IF SWALLOWED: call a POISON CENTER/doctor. P330 - Rinse mouth. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment: see section 4 of this Safety Data Sheet. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persist: Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse. P403+233 - Store in a well-ventilated place. Keep container tightly closed. P501 -Dispose of contents/ container to an approved waste disposal plant. Other Warnings: In the event of an exposure or medical inquiry involving this product, please contact a physician or local poison control center, who may seek advice from the U.S. manufacturer, and show them this SDS. Aqueous solution. KEEP OUT OF REACH OF CHILDREN. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m³) ACGIH NOHSC OSHA ppm ppm ppm FS. ES-ES-TLV STEL PEL STEL RTECS No. PEAK **IDLH** OTHER CHEMICAL NAME(S) CAS No. EINECS No. TWA STEL 7732-18-5 ZC0110000 231-191-2 60-100 ΝE NE NE NE NE NF NF NF WATER 67-63-0 NT8050000 200-661-7 0.1-1 400 500 400 500 NF 400 500 2000 400 TWA ISOPROPANOL Flam. Liq. 2; Eye Irrit. 2; STOT SE 3; H225, H319, H336 112-34-5 KJ910000 203-961-6 NA NF NF NF NA NA NA 0.1-1 NA **GLYCOL ETHER DB** Eve Irrit, 2: H319 151-21-3 WT1050000 205-788-1 0.1-1 NA NA NF NF NF NA NA NA SODIUM LAURYL SULFATE Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; H302, H315, H319 NA NA NF ΝF NF NA NA NA NA NA ≤ 0.1 NΑ **FRAGRANCE** FIRST AID MEASURES DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control 4.1 First Aid: Ingestion: Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to Eyes: ensure complete flushing. If irritation persists, seek immediate medical attention. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek Skin: prompt medical attention. Do not wear contaminated clothing until after it has been properly cleaned. Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer supplemental oxygen and seek

immediate medical attention. If breathing stops, perform artificial respiration.



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4. FIRST AID MEASURES - cont'd 4.2 Effects of Exposure: If product is swallowed, may cause nausea, vomiting and/or diarrhea. Ingestion: Eyes: This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. Skin: This product can cause mild, transient skin irritation with short-term exposure. Inhalation: Exposure may cause respiratory tract irritation in some sensitive individuals 4.3 Symptoms of Overexposure: Prolonged contact with skin may result in bleaching and irritation of skin. The product can cause allergic Skin: skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Eyes: Overexposure in eyes may cause redness, itching and watering (risk of serious damage to eyes). Contact may cause serious eye irritation including stinging, watering, redness. 4.4 Acute Health Effects: Moderate irritation to eyes. Moderate irritation to skin near affected areas. Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes, respiratory system and skin. 4.5 Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion. These ingredients may be irritating to skin and mucous membrane of the eye and respiratory system. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis. Target Organs: 4.6 Eyes, Skin. Medical Conditions 4.7 Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 1 Aggravated by Exposure: target organs (eyes, skin, and respiratory system) or impaired kidney **FLAMMABILITY** 0 function may be more susceptible to the effects of this substance. PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT Α **EYES** SKIN 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: Will not burn, but decomposition, which may be caused by heat, will release oxygen which will increase the explosive limit range and burning rate of flammable vapors. As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result in health hazards 5.2 Extinguishing Methods: Foam, CO₂, Water Fog or Dry Chemical Firefighting Procedures: Fight fires as for surrounding materials. Firefighters should wear a MSHA/NIOSH approved or 5.3 equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. 6. ACCIDENTAL RELEASE MEASURES Spills Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. CAUTION - may be slippery if spilled. For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. 7. HANDLING & STORAGE INFORMATION 7 1 Work & Hygiene Practices: Use normal hygiene practices. Avoid direct skin contact. Wash hands thoroughly after using this product and before eating, drinking, or smoking. Good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended. 7.2 Storage & Handling: Keep away from sources of heat. 7.3 Special Precautions: Follow all instructions on product label. Keep container closed when not in use. Keep this and all chemicals out of reach of children.



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		8. EXPOSURE CONT	ROLS	<u>&</u> PE	<u>RSON</u>	<u>AL</u> PI	<u>ROTEC</u>	<u>TION</u>			
8.1	Exposure Limits:		ACG	iH		NOHSC	1		OSHA	1	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
8.2	Ventilation & Engineering Controls:	Not required under normal cond exhaust ventilation).	itions of u	use. Us	se with ad	equate	ventilation	(e.g., op	oen door	s and	windows, loca
8.3	Respiratory Protection:	Not required under normal conditi	ons of use	9.							
8.4	Eye Protection:	Avoid eye contact. Use approved and approved under appropriate g								ested	
8.5	Hand Protection:	If anticipated that prolonged & repeated skin contact will occur during use of this product, wear latex or rubber gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.									
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	& CHE	EMIC/	AL PRO)PER	TIES				
9.1	Appearance:	Clear to slightly hazy liquid									
9.2	Odor:	Lemon citrus fragrance									
9.3	Odor Threshold:	NA									
9.4	pH:	7.0-8.0									
9.5	Melting Point/Freezing Point:	NA									
9.6	Initial Boiling Point/Boiling Range:	100 °C (212 °F) @ 760 mm Hg									
9.7	Flashpoint:	> 121.11 °C (> 250 °F)									
9.8	Upper/Lower Flammability	ND									
9.9	Limits: Vapor Pressure:										
9.10	Vapor Pressure. Vapor Density:	< 30									
9.10	Relative Density:	NA									
9.11	Solubility:	1.000 @ 25°C (77°F)									
9.13	Partition Coefficient (log Pow):	Complete									
9.14	Autoignition Temperature:	NA NA									
9.15	Decomposition Temperature:	NA									
9.16	Viscosity:	NA									
9.17	Other Information:	0.49% VOC									
						/155./					
	T	10. STA		/ & RI	EACTI	VITY					
10.1	Stability:	Stable under normal conditions of	use.								
10.2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂) and r	nitrogen (N	1O _x).							
10.3	Hazardous Polymerization:	Will not occur.									
10.4	Conditions to Avoid:	Strong oxidizers.									
10.5	Incompatible Substances:	Strong oxidizing agents, strong ac	ids and ba	ases.							
		11. TOXICO	LOGIO	CALI	NFORI	ИАТІ	ON				
11.1	Routes of Entry:	Inhalation: YES			Absorption:	,			Ingesti	on: N)
11.2	Toxicity Data:	This product has not been tested of this product, which are found in product is neither a primary eye no	the scier	ntific liter	ain toxicolorature. Th	ogical da ese data	a have not	been pre	cology da	ta for the	he component locument. Thi
11.3	Acute Toxicity:	See Section 4.4									
11.4	Chronic Toxicity:	See Section 4.5									
11.5	Suspected Carcinogen:	This product contains Isopropyl A IARC. This product does not c reproductive harm. For more information of the contains a second contains	ontain an	y chemi	cals know	n to th	e State o			•	
11.6	Reproductive Toxicity:	This product is not reported to pro									
	Mutagenicity:	This product is not reported to pro	duce muta	agenic ef	fects in hu	mans.					
	Embryotoxicity:	This product is not reported to pro	duce emb	ryotoxic	effects in I	numans.					
	Teratogenicity:	This product is not reported to pro	duce terat	ogenic e	ffects in h	umans.					
	Reproductive Toxicity:	This product is not reported to pro	duce repr	aduativa	effects in	humane					
			duce repre	Juuctive	CHCOLO III	iumans.					
11.7	Irritancy of Product:	See Section 4.2	duce repre	Juuclive	CHCOLO III	Turriaris.	•				
11.7 11.8 11.9			uuce repro	Juuclive	Circuto III	Turriaris.	•				



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riep	ared to OSHA, ACC, ANS	51, NORSC, WHIVIS, GRS & 12/2/2006/EC Statitudius SDS Revision. 4.4 SDS Revision Date: 1/26/2016
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	The components of this product will slowly degrade over time into a variety of organic compounds. Specifi environmental data available for the components of this product are as follows: Sopropyl Alcohol Log K _{OW} = 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:	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 appropriat disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, an federal laws and regulations.
13.2	Special Considerations:	NA
		14. TRANSPORTATION INFORMATION
		ber, 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.
14.1	49 CFR (GND):	NOT REGULATED
14.2	IATA (AIR):	NOT REGULATED
14.3	IMDG (OCN): TDGR (Canadian GND):	NOT REGULATED
14.4	, ,	NOT REGULATED
14.5	ADR/RID (EU): SCT (MEXICO):	NOT REGULATED
14.6	, ,	NOT REGULATED
14.7	ADGR (AUS):	NOT REGULATED
		15. REGULATORY INFORMATION
15.1	SARA Reporting Requirements:	This product contains <u>Isopropanol</u> , 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 a 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. (WHMIS D2B – Other Toxic Effects)
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 Substance List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minneso 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 oth reproductive harm. For more information go to www.P65Warnings.ca.gov .
15.8	Other Requirements:	NA
		LIVA



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		16. OTHER INFO	ORMATION
16.1	Other Information:	WARNING! HARMFUL IF SWALLOWED. C. MAY CAUSE DROWSINESS OR DIZZINESS. areas thoroughly with soap and water after har protection. IF ON SKIN: Wash with soap and Remove contact lenses if present and easy to	AUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. CAUTION – MAY BE SLIPPERY IF SPILLED. Wash exposed skin ndling. Avoid eye contact. Wear protective gloves/eye protection/face water. IF IN EYES: Rinse continuously with water for several minutes. do – continue rinsing. If skin irritation or a rash occurs – Get medical ce. 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 a knowledge, the information contained herein is completeness is not guaranteed and no warr information contained herein relates only to the s	OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other pplicability to this product. To the best of ShipMate's & Granite Gold's reliable and accurate as of this date; however, accuracy, suitability or anties of any type, either expressed or implied, are provided. The specific product(s). If this product(s) is combined with other materials, all at a may be changed from time to time. Be sure to consult the latest
16.4	Prepared for:	Granite Gold, Inc. 9170 Chesapeake Drive San Diego, CA 92123 USA Tel: +1 (858) 499-8933 http://www.granitegold.com/	
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate Dangerous Goods Training & Consulting



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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		Chemical Abstract Service Number		
I	RTECS No.	. Registry of Toxic Effects of Chemical Substances Number		
EINECS No. European Inventory of Existing Commercial Chemical Substance		European Inventory of Existing Commercial Chemical Substances Number		

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	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

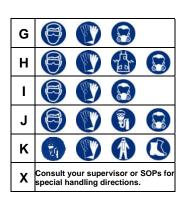
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		型	
D		型	
Ε			
F		The state of the s	





OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic	
Irrit	Irritant	
NA	Not Available	
NR	No Results	
ND	Not Determined	
NE	Not Established	
NF	NF Not Found	
SCBA	SCBA Self-Contained Breathing Apparatus	
Sens	Sens Sensitization	
STOT RE	STOT RE Specific Target Organ Toxicity – Repeat Exposure	
STOT SE	Specific Target Organ Toxicity – Single Exposure	
STOT RE	Specific Target Organ Toxicity – Repeat 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	FLAMMABILITY
1 Slight Hazard		
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4 Extreme Hazard		
ACD Acidic ALK Alkaline		1 2
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 _{lo}	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, 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
TL _m	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)	Θ	(%)		
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			\Diamond		*
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment