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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 2.0

SDS Revision Date: 9/21/2016

	1. PRODUCT & COMPANY IDENTIFICATION	
1 Product Name:	GRANITE GOLD OUTDOOR STONE CLEANER	
.2 Chemical Name:	Aqueous Solution	
.3 Synonyms:	GG0041, GG0055	
.4 Trade Names:	Granite Gold Outdoor Stone Cleaner (207-006004-1)	
.5 Product Use:	Cleaner	
.6 Distributor's Name:	Granite Gold, Inc.	
.7 Distributor's Addres	9170 Chesapeake Drive, San Diego CA 92123 USA	
.8 Emergency Phone:	CHEMTREC +1 (703) 527-3887 / +1 (800) 424-9300	
.9 Business Phone / F	Tel: +1 (858) 499-8933	

2. HAZARDS IDENTIFICATION

This product is classified as a **HAZARDOUS SUBSTANCE** but not as **DANGEROUS GOODS** according to the classification criteria of NOHSC:1088 (2004) and ADG Code (Australia). 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.

WARNING! HARMFUL IF SWALLOWED. HARMFUL IN CONTACT WITH SKIN. CAUSE SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION.

Classification: Acute Tox. 4; Skin Irrit. 2; Eye Irrit 2

<u>Hazard Statements</u> (H): H302 – Harmful if swallowed. H312 – Harmful in contact with skin. H315 – Causes skin irritation. H319 – Causes serious eye irritation.

Precautionary Statements (P): P264 – Wash with soap and water thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P280 – Wear protective gloves/ eye protection. P301+P312 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 – Rinse mouth. P302+P352 – IF ON SKIN: Wash with plenty of water. P312 – Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: Get medical advice/attention. P321 – Specific treatment sees this container label and section 4 First Aid of this SDS. P332+P313 – If skin irritation occurs: Get medical advice/attention. P362+P364 – Take off contaminated clothing and was it before reuse. P501 - Dispose of contents/ container to an approved waste disposal plant.



3. COMPOSITION & INGREDIENT INFORMATION

					EXPOSURE LIMITS IN AIR (mg/m³)								
					AC	GIH		NOHSC	:		OSHA		
					pp	om		ppm			ppm		
CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
WATER	7732-18-5	ZC0110000	231-191-2	60-100	NE	NE	NF	NF	NF	NE	NE	NE	
PROPRIETARY FORMULA	NA	NA	NA	1-5	NA	NA	NF	NF	NF	NA	NA	NA	
FRAGRANCE	NA	NA	NA	≤ 0.1	NA	NA	NF	NF	NF	NA	NA	NA	

4. FIRST AID MEASURES

			4. FIRST AID MEASURES
4.1	First Aid:	Ingestion:	DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control 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 aspiration.
		Eyes:	Flush eyes thoroughly with copious amounts of water for at least 15 minutes, holding eyelid(s) open to ensure complete flushing. If irritation persists, seek immediate medical attention.
		<u>Skin</u> :	Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, seek 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.
4.2	Effects of Exposure:	Ingestion:	If product is swallowed, may cause nausea, vomiting and/or diarrhea.
		Eyes:	Moderately irritating to the eyes.
		<u>Skin</u> :	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.



8.4

8.5

8.6

Eye Protection:

Hand Protection:

Body Protection:

Page 2 of 5 SAFETY DATA SHEET **GG-016** Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 9/21/2016 4. FIRST AID MEASURES - cont'd Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes 4.3 Symptoms of Overexposure: may cause redness, itching and watering. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 4.4 Acute Health Effects: Moderate irritation to eves and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. Chronic Health Effects: 4.5 The material may accentuate any pre-existing dermatitis condition. Target Organs: 4.6 Eyes, Skin, Respiratory System Medical Conditions Persons with pre-existing skin disorders, eye problems, or impaired 4.7 **HEALTH** 2 Aggravated by Exposure: kidney function may be more susceptible to the effects of the **FLAMMABILITY** 0 substance PHYSICAL HAZARDS 0 В PROTECTIVE EQUIPMENT SKIN 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: This product is a non-flammable liquid. When involved in a fire, this product may ignite and 5.1 decompose to form toxic gases (e.g., CO, CO₂, NO_x). Extinguishing Methods: CO₂, Halon (if permitted), Dry Chemical, Foam. 5.2 5.3 Firefighting Procedures: When involved in a fire, this product may and decompose to produce carbon oxides. First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product. 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) and secure all sources of ignition. 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 <u>large spills</u> (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). Use ONLY non-sparking tools for recovery and cleanup. 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 Use normal hygiene practices. Avoid direct skin contact. Wash hands thoroughly after using this product and before 7.1 Work & Hygiene Practices: eating, drinking, or smoking. Good personal hygiene practices, such as washing any skin contact areas and removing contaminated clothing, are recommended. 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. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 Exposure Limits: ACGIH NOHSC OSHA OTHER ppm (mg/m³) STEL STEL IDLH CHEMICAL NAME(S) TLV TWA STEL **PEAK** PEL NF NA NA NF NF NA NA 8.2 Ventilation & Engineering Not required under normal conditions of use. Use with adequate ventilation (e.g., open doors and windows, local Controls exhaust ventilation). 8.3 Respiratory Protection: Not required under normal conditions of use. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

Avoid eye contact. Protective eyewear that conforms to ANSI Z87.1 (or other applicable and

Use gloves constructed of chemical resistant materials such as neoprene or heavy nitrile rubber if

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

appropriate standards) should be used when handling any chemical product.

frequent or prolonged contact is expected.



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		9. PHYS	SICAL & CHI	EMICAL PRO	PERTIES		
9.1	Appearance:	Clear to slightly hazy liqu			_		
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)	10 °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: Other Information:	NA NOO 100/					
9.17	Other Information.	VOC < 2%					
		10	STABILITY	Y & REACTIV	/ITV		
10.1	Stability:	Stable under normal co		I & NEACTIV	11.1		
10.1	Hazardous Decomposition		nations of use.				
	Products:	None known.					
10.3	Hazardous Polymerization:	Will not occur.					
10.4	Conditions to Avoid:	Strong oxidizers and red					
10.5	Incompatible Substances:	Strong oxidizing agents	, strong acids and b	bases.			
11.1	Poutos of Entry			CAL INFORM		Ingestion: VEO	
11.1	Routes of Entry:	Inhalation:	YES	Absorption:	NO	Ingestion: YES	
11.1	Routes of Entry: Toxicity Data:	This product has NOT be available for some of the Butoxyethanol: LD ₅₀ (or	YES been tested on aning e components of th	Absorption: mals to obtain toxicolate product and is pre	NO ogy data. Toxicolog sented below:	Ingestion: YES gy data, found in scientific literature, is H – Biological Exposure Indices (BEI	
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11.2 11.3 11.4 11.5 11.6 11.7 11.8 11.9	Acute Toxicity: Chronic Toxicity: Chronic Toxicity: Suspected Carcinogen: Reproductive Toxicity: Mutagenicity: Embryotoxicity: Teratogenicity: Reproductive Toxicity: Irritancy of Product: Biological Exposure Indices: Physician Recommendations: Environmental Stability: Effects on Plants & Animals:	Inhalation: This product has NOT be available for some of the Butoxyethanol: LD ₅₀ (or 200 mg/g) See Section 4.4 See Section 4.5 This product contains Began a carcinogens by the IA This product is not reportain the product is not reportain to the pr	peen tested on anine components of the ral, rat) = 470 mg/k Butoxyethanol and IRC. red to produce repred to produce emerted to produce tera red to produce repred to produce	Absorption: mals to obtain toxicol ne product and is pre kg; LC ₅₀ (inh-4h, rat Ethanolamine, which productive toxicity in ntagenic effects in hundryotoxic effects in hundr	NO ogy data. Toxicologisented below:) = 450 ppm; ACGI are not carcinoger humans. mans. humans.	gy data, found in scientific literature, is H – Biological Exposure Indices (BEI	



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 9/21/2016 14. TRANSPORTATION INFORMATION 49 CFR (GND): 14.1 **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 SCT (MEXICO): 14.6 NOT REGULATED 14.7 ADGR (AUS): **NOT REGULATED** 15. REGULATORY INFORMATION SARA Reporting 15.1 This product does not contain any substances subject to SARA Title III, section 313 reporting requirements. Requirements SARA Threshold Planning 15.2 There are no specific Threshold Planning Quantities for the components of this product. Quantity: 15.3 TSCA Inventory Status: The components of this product are listed on the TSCA Inventory. 15.4 **CERCLA Reportable Quantity** (RQ): 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: Butoxyethanol is listed on the following state criteria lists: Florida Toxic Substances List (FL), 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). 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). Other Requirements: 15.8 NA 16. OTHER INFORMATION WARNING! HARMFUL IF SWALLOWED. HARMFUL IN CONTACT WITH SKIN. CAUSE SKIN IRRITATION. 16.1 Other Information: CAUSES SERIOUS EYE IRRITATION. CAUTION - MAY BE SLIPPERY IF SPILLED. Wash exposed skin areas thoroughly with soap and water after handling. Avoid eye contact. Wear protective gloves/eye protection/face protection. IF ON SKIN: Wash with soap and water. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If skin irritation or a rash occurs - Get medical advice/attention. Store in a well-ventilated place. Keep cool. Use only as directed. KEEP OUT OF REACH OF CHILDREN. 16.2 Terms & Definitions: See last page of this Safety Data Sheet. This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other 16.3 Disclaimer 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. 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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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 2.0

SDS Revision Date: 9/21/2016

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

EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists	
С	Ceiling Limit	
IDLH	Immediately Dangerous to Life and Health	
OSHA	U.S. Occupational Safety and Health Administration	
PEL	Permissible Exposure Limit	
TLV	Threshold Limit Value	

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

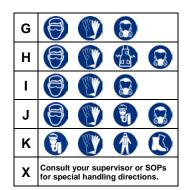
HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE STATE OF THE S	
E			
F			





afety Glasses Spla



Face Shield & Protective Eyewear



Synthetic Apron

Protective Clothing & Full Suit

Dust Respirator

Full Face Respirator

Dust & Vapor Half-Mask Respirator

Full Face Respirator

Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

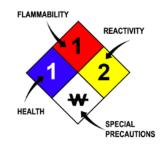
ML	Maximum Limit
NA	Not Available
NE	Not Established
NF	Not Found
ND	Not Determined
NR	No Results
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition	Minimum temperature required to initiate combustion in air with no other			
Temperature	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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
ОХ	Oxidizer
TREFOIL	Radioactive



TOXICOLOGICAL INFORMATION:

С	Ceiling Limit				
LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s				
LC ₅₀	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 _{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				
TL _m	Median threshold limit				
log K _{ow} or log K _{oc}	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	(*)	(A)	@	\odot	®		(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

EC (67/548/EEC) INFORMATION:

		M	*		Q	X	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

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

		®	\Diamond	A STATE OF THE STA		\Leftrightarrow		(1)
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment