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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 2.0-P SDS Revision Date: 5/20/2014 1. PRODUCT & COMPANY IDENTIFICATION 1.1 Product Name: **GRANITE GOLD DAILY CLEANER** 1.2 Chemical Name: **Aqueous Solution** 1.3 Synonyms GG0173; GG0045; GG0048; GG0040; GG0032 1.4 Trade Names: Granite Gold Daily Cleaner (207-006000-1) 1.5 Product Use: Cleaner 1.6 Distributor's Name: Granite Gold, Inc. 1.7 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 HAZARDS IDENTIFICATION 2. 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). 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. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINESS. 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. 2.2 Effects of Exposure: Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. 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. Exposure may cause respiratory tract irritation in some sensitive individuals. Inhalation: Prolonged contact with skin may result in bleaching and irritation of skin. 2.3 Symptoms of Overexposure: Skin: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. Overexposure in eyes may cause redness, itching and watering (risk of serious damage to eyes). Eyes: Contact may cause serious eye irritation including stinging, watering, redness Acute Health Effects: 2.4 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. 2.5 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 eve and respiratory system. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis. 26 Target Organs: Eyes, Skin. 3. COMPOSITION & INGREDIENT INFORMATION EXPOSURE LIMITS IN AIR (mg/m<sup>3</sup>) ACGIH NOHSC OSHA ppm ppm ppm ES-ES-ES-STEL PEL STEL IDLH CHEMICAL NAME(S) CAS No. RTECS No. EINECS No. % TLV TWA STEL PEAK OTHER 7732-18-5 ZC0110000 60-100 231-191-2 NE NE NF NF NF NE NE NE WATER NA NA NA 1-5 NA NA NF NF NF NA NA NA **PROPRIETARY FORMULA** NA NA NA ≤ 0.1 NA NA NF NF NF NA NA NA FRAGRANCE



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		4. FIRST AID MEA			200) 507 0007		
4.1	First Aid:	Ingestion:         DO NOT INDUCE VOMITING.           Control Center or local emerg immediate medical attention. (forward) to reduce the risk of as           Eyes:         Flush eyes thoroughly with copic to ensure complete flushing. If ir           Skin:         Remove contaminated clothing a seek prompt medical attention.	ency telephone If vomiting occupiration. Sus amounts of waritation persists, stand wash affected	number for urs spontan ater for at lea seek immedia d areas with	assistance and eously, keep vic ast 15 minutes, ho ate medical attenti soap and water.	instructions. See tim's head lowered olding eyelid(s) oper ion. If irritation persists	
		cleaned. Inhalation: Remove victim to fresh air at o	nce. If breathing	g is difficult,	administer supple	emental oxygen an	
1.2	Medical Conditions	Seek immediate medical attention Pre-existing dermatitis, other skin conditions, and disc		HEALTH	artificial respiratio	on. 1	
	Aggravated by Exposure:	target organs (eyes, skin, and respiratory system) or i		FLAMMA		0	
		function may be more susceptible to the effects of this			L HAZARDS	0	
						-	
						NT B	
				EYES	SKIN		
		5. FIREFIGHTING M	FASURES				
.1	Fire & Explosion Hazards:						
		Will not burn, but decomposition, which may be ca increase the explosive limit range and burning rate of and thermal decomposition, oxidation products may fe in health hazards	flammable vapor	rs. As a res	ult of combustion		
5.2 5.3	Extinguishing Methods:	Foam, CO <sub>2</sub> , Water Fog or Dry Chemical					
-	Firefighting Procedures:	Fight fires as for surrounding materials. Firefighters should wear a MSHA/NIOSH approved or 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.					
6.1	Spills:	6. ACCIDENTAL RELEAS	SE MEASU	RES			
		Before cleaning any spill or leak, individuals invol Equipment. CAUTION – may be slippery if spilled.					
		For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear at Maximize ventilation (open doors and windows. appropriate closed container(s) for disposal. Dispose Wash all affected areas and outside of container v clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entr material (e.g., sand or earth). Transfer liquid to cont containers for proper disposal. Remove contamina water. Keep spills and cleaning runoffs out of munici	ppropriate persor Remove spilled of properly in ac with plenty of wa ry to all unprotec ainers for recover ted clothing prom	material with ccordance with rm water and cted individu ry or dispose aptly and wa	e equipment (e.g h absorbent mate ith local, state and d soap. Remove als. Dike and co al and solid diking ish affected skin a	<ul> <li>goggles, gloves</li> <li>and place int</li> <li>federal regulations</li> <li>any contaminate</li> <li>ontain spill with ine</li> <li>material to separate</li> </ul>	
		For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear and Maximize ventilation (open doors and windows, appropriate closed container(s) for disposal. Dispose Wash all affected areas and outside of container with clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny enti- material (e.g., sand or earth). Transfer liquid to cont- containers for proper disposal. Remove contamina- water. Keep spills and cleaning runoffs out of munici-	propriate persor Remove spilled of properly in ac vith plenty of wa ry to all unprotec ainers for recover ted clothing prom pal sewers and op	material with coordance with rm water and cted individu ry or dispose aptly and wa pen bodies of	e equipment (e.g h absorbent mate ith local, state and d soap. Remove als. Dike and co al and solid diking ish affected skin a	<ul> <li>goggles, gloves)</li> <li>and place into</li> <li>federal regulations</li> <li>any contaminated</li> <li>any contaminated</li> <li>material to separat</li> </ul>	
7.1	Work & Hygiene Practices:	For <u>small spills</u> (e.g., < 1 gallon (3.8 L)) wear and Maximize ventilation (open doors and windows, appropriate closed container(s) for disposal. Dispose Wash all affected areas and outside of container ventility clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny enti- material (e.g., sand or earth). Transfer liquid to cont- containers for proper disposal. Remove contamina- water. Keep spills and cleaning runoffs out of munici- <b>7. HANDLING &amp; STORAGE</b> Use normal hygiene practices. Avoid direct skin co- eating, drinking, or smoking. Good personal hygiene	propriate persor Remove spilled of properly in ac with plenty of wa ry to all unprotect ainers for recover ted clothing prom pal sewers and op EINFORMA ntact. Wash har	material with coordance with rm water and cted individu ry or dispose apply and water pen bodies of <b>TION</b> ands thorough	e equipment (e.g h absorbent mate th local, state and d soap. Remove als. Dike and co al and solid diking sh affected skin a f water.	I., goggles, gloves) erial and place into l federal regulations e any contaminated ontain spill with ine material to separat areas with soap an product and before	
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7.1 7.2 7.3 3.1 3.2 3.3 3.4	Storage & Handling: Special Precautions: Ventilation & Engineering Controls: Respiratory Protection:	<ul> <li>For small spills (e.g., &lt; 1 gallon (3.8 L)) wear are Maximize ventilation (open doors and windows. appropriate closed container(s) for disposal. Dispose Wash all affected areas and outside of container velothing and wash thoroughly before reuse.</li> <li>For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entropriate (e.g., sand or earth). Transfer liquid to cont containers for proper disposal. Remove contaminare water. Keep spills and cleaning runoffs out of municiper ontaminated clothing, are recommended.</li> <li>Keep away from sources of heat.</li> <li>Follow all instructions on product label. Keep contareach of children.</li> <li>8. EXPOSURE CONTROLS &amp; PEF</li> <li>Not required under normal conditions of use.</li> <li>Avoid eye contact. Use approved safety glasses or tested and approved under appropriate government</li> </ul>	propriate persor Remove spilled e of properly in ac with plenty of wa ry to all unprotect ainers for recover ted clothing prom pal sewers and op <b>INFORMA</b> ntact. Wash har e practices, such ainer closed whe <b>RSONAL PI</b> e with adequate f goggles. Use e ent standards su	material with coordance wi rm water ar oted individu ry or disposa optly and wa pen bodies of <b>TION</b> ads thorough as washing n not in use <b>ROTEC1</b> ventilation ( equipment for uch as NIO	e equipment (e.g h absorbent mate th local, state and d soap. Remove als. Dike and co al and solid diking sh affected skin a f water. ly after using this any skin contact . Keep this and <b>FION</b> e.g., open doors or eye protection SH (US) or EN is product, wear	I., goggles, gloves erial and place int l federal regulations e any contaminate material to separat areas with soap ar product and befor areas and removin all chemicals out o	



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#### 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Appearance: Clear to slightly hazy liquid 92 Odor: Lemon citrus fragrance 9.3 Odor Threshold: NA 9.4 pH: 7.0-8.0 9.5 Melting Point/Freezing Point: NA Initial Boiling Point/Boiling 9.6 100 °C (212 °F) @ 760 mm Hg Range: 9.7 Flashpoint: > 121.11 °C (> 250 °F) 9.8 Upper/Lower Flammability ND Limits: Vapor Pressure: 99 < 30 9.10 Vapor Density: NA 9.11 Relative Density: 1.000 @ 25°C (77°F) Solubility: 9.12 Complete Partition Coefficient (log Pow): 9.13 NA Autoignition Temperature 9.14 NA 9.15 Decomposition Temperature: NA 9.16 Viscositv NA 9.17 Other Information: VOC 1.75% 10. STABILITY & REACTIVITY 10.1 Stability: Stable under normal conditions of use. 10.2 Hazardous Decomposition Oxides of carbon (CO, CO<sub>2</sub>) and nitrogen (NO<sub>x</sub>). Products 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid Strong oxidizers. Incompatible Substances: 10.5 Strong oxidizing agents, strong acids and bases. 11. TOXICOLOGICAL INFORMATION Routes of Entry: Inhalation: YES Absorption: NO Ingestion: YES 11.1 11.2 Toxicity Data: This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document. This product is neither a primary eye nor primary skin irritant per Federal Hazardous Substances Act (FHSA) regulations. 11.3 Acute Toxicity: See section 2.5 11.4 Chronic Toxicity: See section 2.6 11.5 Suspected Carcinogen: This product contains Isopropyl Alcohol, which is not carcinogenic to humans, but is listed as Group 3 carcinogen by 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 Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity This product is not reported to produce teratogenic effects in humans. Reproductive Toxicity: This product is not reported to produce reproductive effects in humans. 11.7 Irritancy of Product: See section 2.3 11.8 Biological Exposure Indices: NE 11.9 Physician Recommendations: Treat symptomatically. **12. ECOLOGICAL INFORMATION** 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 halflife in water is 5.4 days. Isopropyl alcohol is not expected to bioconcentrate. 12.2 Effects on Plants & Animals There is no specific data available for this product. Effects on Aquatic Life: Product is expected to rapidly disperse in the aquatic environment. 12.3 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



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		14. TRANSPORTATIO	N INFORMATION
14.1	49 CFR (GND):	NOT REGULATED	
14.2	IATA (AIR):	NOT REGULATED	
14.3	IMDG (OCN):	NOT REGULATED	
14.4	TDGR (Canadian GND):	NOT REGULATED	
14.5	ADR/RID (EU):	NOT REGULATED	
14.6	SCT (MEXICO):	NOT REGULATED	
14.7	ADGR (AUS):	NOT REGULATED	
		15. REGULATORY I	NFORMATION
15.1	SARA Reporting Requirements:	This product contains Isopropanol, a substance s	ubject to SARA Title III, section 313 reporting requirements
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantit	es for the components of this product.
15.3	TSCA Inventory Status:	The components of this product are listed on the	rsca Inventory.
15.4	CERCLA Reportable Quantity (RQ):	NA	·
15.5	Other Federal Requirements:		pollutants. None of the components in this product are listed as priority nts in this product are listed as toxic pollutants under the CWA.
15.6	Other Canadian Regulations:	This product has been classified according to the	e hazard criteria of the CPR and the SDS contains he components of this product are listed on the
15.7	State Regulatory Information:	criteria lists: California Proposition 65 (CA65), I List (FL), Massachusetts Hazardous Substances Substances List (MN), New Jersey Right-to-Kno	centration of 1.0% or greater, are listed on any of the following state Delaware Air Quality Management List (DE), Florida Toxic Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous w List (NJ), New York Hazardous Substances List (NY), Pennsylvania Exposures List (WA), Wisconsin Hazardous Substances List (WI).
15.8	Other Requirements:	The primary components of this product are not li <u>Risk Phrases (R)</u> : 22-36/38 – Harmful if swallower <u>Safety Phrases</u> (S): 1/2 -24/25-45 – Keep contair contact with skin and eyes. In case of accident of immediately (show label where possible). <u>Poisons Schedule Number</u> : None Allocated. <u>HazChem Code</u> : None.	d. Irritating to eyes and skin. er locked up and out of reach of children. Avoid
		16. OTHER INFO	RMATION
16.1	Other Information:		i irritation. Causes serious eye irritation. May cause drowsiness
		or dizziness. CAUTION – may be slippery if sp handling. Avoid eye contact. Wear protective glc water. IF IN EYES: Rinse continuously with wate – continue rinsing. If skin irritation or a rash occu Keep cool. Use only as directed. KEEP OUT OF	<b>illed.</b> Wash exposed skin areas thoroughly with soap and water after ves/eye protection/face protection. IF ON SKIN: Wash with soap and r for several minutes. Remove contact lenses if present and easy to do rs – Get medical advice/attention. Store in a well-ventilated place.
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 warra information contained herein relates only to the sp component properties must be considered. Da edition.	SHA's Hazard Communication Standard, 29 CFR §1910.1200. Other plicability to this product. To the best of ShipMate's & Granite Gold's reliable and accurate as of this date; however, accuracy, suitability or nties of any type, either expressed or implied, are provided. The pecific product(s). If this product(s) is combined with other materials, all ta 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/	A DECEMBER OF THE CONTROL OF THE CON
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

#### **EXPOSURE LIMITS IN AIR:**

ACGIH	American Conference on Governmental Industrial Hygienists					
С	C 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	HEALTH
1	Slight Hazard	FLAMMABILITY
2	Moderate Hazard	PHYSICAL HAZARDS
3	Severe Hazard	PERSONAL PROTECTION
4	Extreme Hazard	

#### PERSONAL PROTECTION RATINGS:

Α			G				
В			н			TT I	
С			I				
D			J			Î	
Е			к	() ()			
F			Х			pervisor o ling direct	
-							
Sa	efety Glasses	Splash Goggles		Shield &		Glove	) es
Boots		Synthetic Apron	Protective Clothing & Full Suit		ing	Dust Respirator	
Full Face Respirator		Dust & Vapor Half- Mask Respirator	Full Suit 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

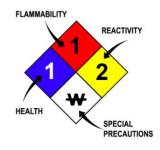
#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

Autoignition 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
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer
TREFOIL	Radioactive



#### TOXICOLOGICAL INFORMATION:

С	Ceiling Limit
LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>io</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC <sub>o</sub> , LC <sub>io</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 K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

#### **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
WGK	Wassergefährdungsklassen (German Water Hazard Class)

#### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

$\bigcirc$	۲			1		<b>N</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

#### EC (67/548/EEC) INFORMATION:

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с	E	F	Ν	0	т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

#### 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

SDS Revision Date: 5/20/2014