

SDS prepared by Steve Davis of Aardvark Clay & Supplies

GHS - United States

Section 1: Product and Company Identification

Product Names: Black Mountain, Black Mountain Sculpture, Cassius Basaltic, Charcoal,

Obsidian, Carmel, Jamaica

Synonym Pottery Clays - Water based, moist, Cone 5-10 Black Clays

Supplier/ Aardvark Clay & Supplies

Manufacturer 1400 East Pomona St.
Santa Ana, Ca. 92705 USA
714-541-4157 phone

714-541-2021 fax contact@aardvarkclay.com

Emergency Phone Number 911

Product Use Pottery Manufacturing

Restrictions on use Not applicable

Section 2: Hazards Identification

This mixture comes in moist form and poses no hazard.

The hazard classifications and statements pertain primarily to this mixture in dry form as dust.

GHS/Hazco 2012 Labels		GHS/Hazcom 2012 Classifications:						
^		Health:						
		CARCINOGENICITY (Inhalation) - Category 1A (quartz) (See Section 11 for carcinogen listings)						
3		SPECIFIC TARGET ORG	AN TOXICITY (Repeated	Exposure) (res	spiratory tract) (inhalation) - Category 1 (quartz)			
_		SPECIFIC TARGET ORG	AN TOXICITY (Repeated	Exposure) (res	spiratory tract) (inhalation) - Category 2 (iron ox	ide)		
		ACUTE TOXICITY (Oral				•		
		ACUTE TOXICITY (Inha	CUTE TOXICITY (Inhalation) - Category 4 (manganese dioxide)					
					atory tract) (inhalation) - Category 3 (quartz, ma	nganese dioxide)		
		EYE IRRITANT - Cat	egory 2A (quartz)					
		SKIN IRRITANT - Cat	egory 2 (quartz)					
Signal Wo	ord:	Environmental:	Not Hazardous					
Danger	r	Physical:	Not Hazardous					
Hazard Stat	tements	:						
Health:								
H320	Causes	eye irritation		H316	Causes mild skin irritation.			
H372			gs) through prolonged	H335	May cause respiratory irritation			
H372 Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).				H350	May cause cancer.			
Environmental: Not hazardous			,	Physical:	Not hazardous			
Precaution Statements:								
Prevention		ciits.						
P261		preathing dust/spray.		P270	Do not eat, drink, or smoke when using this pr	oduct		
P261 P262		<u> </u>	or on clothing	P270 P273	Avoid release to the environment.			
P264		Do not get into eyes, on skin, or on clothing. Wash hands thoroughly after handling.			[In case of inadequate ventilation] wear respiratory protection.			
Response	wash hands thoroughly after handling.			P284	[[III case of illadequate ventilation] wear respir	atory protection.		
P314	Cot mo	edical advice/attention	if you fool unwell	P391	Collect Spillage.			
P314 P302+		KIN: Wash with plenty		P391 P304+	IF INHALED: Remove person to fresh air and keep comfortable			
P302+ P352	I IF ON 3	ikiiv. vvasii witii pienty	oi soap allu water.	P304+ P340	for breathing.	cep connoctable		
P305+	IF IN FV	F IN EYES: Rinse cautiously with water for several			IF SWALLOWED: Rinse mouth. DO NOT induce	vomiting		
P351+		minutes. Remove contact lenses if present and easy			SWALLOWED. MINGE MOURIL DO NOT MINUCE	vointing.		
P338		o do – continue rinsing.						
P333+		skin or eye irritation persists get medical			Wash contaminated clothing before reuse.			
P337+P313		cin or eye irritation persists get medical P363 Wash contaminated clothing before reuse. ice/attention.						
Storage Disposal								
P402 Store in a dry place. P501 Dispose of contents/container in accordance with					vith			
	local/regional/national/international regulations.					ns.		
Hazards not otherwise classified: Slippery when wet. % of ingredients with unknown acute toxicity: None known.								

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Section 3: Composition / Information on Ingredients

Substances/Mixtures Mixture - A trade secret claim is made for this group of substantially similar mixtures.

Chemical		Ingredient % of Product Mi		Chemical % of Ingredient		
Quartz, (Crystalline Silica)	CAS # 14808-60-7	Kaolin Clays	0-9	Kaolin Clays	.1 - 4	
SiO2	CA3 # 14808-00-7	Ball Clays	9 – 18	Ball Clays	5 - 30	
3102		Red Clays	9 - 24	Red Clays	10 - 30	
		Fire Clays	21 – 52	Fire Clays	0 - 25	
		Silica	0-9	Silica	99.9	
		Sands	0 - 9	Sands	13 - 24	
		Feldspars	3-6	Feldspars	3 – 10	
		Bentonites	0-3	Bentonites	<1 - 2	
			Trade Secret		1-5	
		Manganese Dioxide		Manganese Dioxide		
		Iron Oxide	Trade Secret	Iron Oxide	1.9	
Amorphous Silica SiO2	CAS # 7631-86-9	Calcined Grogs	0-21	Calcined Grogs	10-20	
(Glass & Diatomaceous Earth)		Fireclays	21 - 52	Fireclays	20-30	
		Sands	0 - 18	Sands	76-87	
Crystobalite SiO2	CAS # 14464-46-1	Calcined Grogs	0 – 21	Calcined Grogs	15-25	
		Fireclays	21 - 52	Fireclays	0-25	
Kaolinite	CAS # 1332-58-7	Kaolin Clays	0-9	Kaolin Clays	95 - 98	
Al2O3.2SiO2.2H2O		Ball Clays	9 – 18	Ball Clays	65 - 95	
		Fireclays	21 - 52	Fireclays	60 - 100	
Alpha – Alumina Al2O3	CAS # 1344-28-1	Silica	0 – 9	Silica	<1	
(Alumina Oxide)		Fireclays	21 - 52	Fireclays	0-70	
		Red Clays	9 – 24	Red Clays	17-19	
		Manganese Dioxide	Trade Secret	Manganese Dioxide	1-7	
		Iron Oxide	0 -15	Iron Oxide	<5	
Barium Carbonate BaCO3	CAS# 513-77-9	Barium Carbonate	0 - 3	Barium Carbonate	97	
Barium Sulfate BaSO4	CAS # 7727-43-7	Iron Oxide	0 -15	Iron Oxide	5 – 15	
Manganese Compounds	CAS# 7439-96-5	Manganese Dioxide	Trade Secret	Manganese Dioxide	45 – 55	
and Fume MnO2				· ·		
Mullite Al2O3.2SiO2	CAS # 1302-93-8	Calcined Grogs	0 – 21	Calcined Grogs	65	
Iron Oxide Dust and Fume	CAS # 1309-37-1	Kaolins	0-9	Kaolins	.36	
(as Fe)		Ball Clays	9 – 18	Ball Clays	.8 – 1.5	
, ,		Fireclays	21 - 52	Fireclays	1.4 - 2.4	
		Red Clays	9 – 24	Red Clays	5.6 - 12	
		Iron Oxide	0 – 15	Iron Oxide	80 – 90	
		Silica	0-9	Silica	<.1	
		Manganese Dioxide	Trade Secret	Manganese Dioxide	1-5	
					Fe2O3	
Titanium Dioxide TiO2	CAS # 13463-67-7	Silica	0-9	Silica	<0.1	
		Fireclays	21 – 52	Fireclays	0-3.5	
		Red Clays	9 – 24	Red Clays	1-2	
		Ball Clays	9 – 18	Ball Clays	<2.6	



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Section 4: First-Aid Measures

Description of first-aid Measures:				
First-aid measures	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical			
general	attention.			
First-aid measures	Move victim to well ventilated area. If mechanical discomfort persists, seek medical			
after inhalation	attention.			
First-aid measures	Remove contaminated clothing. Wash affected area with soap and warm water.			
after skin contact	Obtain medical attention if irritation persists.			
First-aid measures	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy			
after eye contact	to do. Continue rinsing. Obtain medical attention if pain, blinking, or redness persists.			
First-aid measures	Rinse mouth. Do NOT induce vomiting. Unlikely to be toxic by ingestion. If discomfort			
after ingestion	persists, seek medical attention.			

Most Important Symptoms and Effects, both Acute and Delayed:				
Symptoms/injuries	Causes damage to organs through prolonged or repeated exposure (inhalation) from dust.			
Symptoms/injuries after inhalation May cause cancer by inhalation. Dust from this product may cause irritation to the respiratory tract.				
Symptoms/injuries Prolonged contact with large amounts of dust may cause mechanical irritation. after skin contact				
Symptoms/injuries after eye contact	Prolonged contact with large amounts of dust may cause mechanical irritation.			
Symptoms/injuries after ingestion	If a large quantity has been ingested: intestinal blockage. Gastrointestinal irritation.			
Chronic symptoms	Repeated or prolonged exposure to respirable crystalline silica dust may cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.			

If exposed or concerned, get medical advice and attention.

Section 5: Fire-Fighting Measures



National Fire Protection Association (U.S.A.)

Suitable extinguishing media	This product is not combustible.		
	Use extinguishing media appropriate for surrounding fire.		
Unsuitable extinguishing media	No restrictions on extinguishing media for this mixture.		
Special hazards arising from the substance or	This mixture is not flammable and does not support fire. The plastic bags and		
mixture	cardboard boxes containing the mixture are flammable.		
Hazardous thermal decomposition products	This mixture does not contain hazardous decomposition products.		
Special protective actions	Product can become slippery when wet.		
for fire-fighters			
Special protective equipment	Fire-fighters should wear appropriate protective equipment.		
for fire-fighters			

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Section 6: Accidental Release Measures

Use of personal precautions Avoid inhalation of dry clay dust.

Wear a N-95 face mask when cleaning up dry clay dust.

Emergency proceduresThere are no emergency procedures required for this mixture.

Methods and Materials

Product comes in plastic bags and weigh 25 lbs.

These are no apill reseasoned that apply for regist a

for containment There are no spill measures that apply for moist clay.

Clean up procedures For dry dusts, use a vacuum to clean up spillage.

If appropriate, use gentle water spray to wet down and minimize dust

generation. Place dry clay dust in a sealed container.

Wear a N-95 face mask when cleaning up dry clay dust.

Section 7: Handling & Storage

Precautions for safe handlingKeep out of direct sunlight. Do not expose to freezing.

Boxes of moist clay weigh 52 lbs.

Use proper lifting techniques to avoid physical injury.

Recommendations on the conditions for safe storage

No special storage considerations, but keep in a dry, cool location.

Section 8: Exposure Controls / Personal Protection						
Chemical Name	CAS Numbers	Occupational Exposure Limits				
Quartz, (Crystalline Silica)	CAS# 14808-60-7	ACGIH TLV: TWA 0.025 mg/ m ³ (respirable)				
SiO2		OSHA PEL: TWA 10 mg/m ³ / divided by the value "%SiO2" + 2 (respirable)				
		OSHA PEL: TWA 30 mg/m ³ / divided by the value "%SiO2" + 2 (total dust)				
		CAL OSHA PEL: TWA .05 mg/ m³ (respirable)				
		CAL OSHA PEL: TWA .3 mg/ m³ (total)				
Amorphous Silica SiO2	CAS# 7631-86-9	ACGIH TLV: TWA 10 mg/ m ³ (respirable)				
(Glass & Diatomaceous		OSHA PEL: TWA for amorphous silica (diatomaceous earth) is either 80				
Earth)		mg/m³ divided by the value "%SiO ₂ ," or 20 mppcf.				
23. 3.1,		CAL OSHA PEL: TWA 3 mg/ m ³ (respirable)				
		CAL OSHA PEL: TWA 6 mg/ m³ (total)				
Crystobalite SiO2	CAS# 14464-46-1	ACGIH TLV: TWA .05 mg/m³ (respirable)				
-		OSHA PEL: TWA 5 mg/m³/ divided by the value "%SiO2" + 2 (respirable)				
		OSHA PEL: TWA 15 mg/m ³ / divided by the value "%SiO2" + 2 (total dust)				
		CAL OSHA PEL: TWA .05 mg/ m ³ (respirable)				
Kaolinite	CAS# 1332-58-7	ACGIH TLV: TWA 2 mg/ m ³ (respirable) / particulate matter containing no				
Al2O3.2SiO2.2H2O		asbestos and <1% crystalline silica (respirable)				
		OSHA PEL: TWA 5 mg/m ³ (respirable)				
		OSHA PEL: TWA 15 mg/m³ (total)				
		CAL OSHA PEL: TWA 2 mg/ m³ (respirable)				
Alpha – Alumina Al2O3	CAS# 1344-28-1	ACGIH TLV: TWA 10 mg/m ³ for particulate matter containing no asbestos				
(Alumina Oxide)		and < 1% crystalline silica				
,		OSHA PEL: TWA 5 mg/ m ³ (respirable)				
		OSHA PEL: TWA 15 mg/m³ (total dust)				
		CAL OSHA PEL: TWA 5 mg/ m³ (respirable)				
		CAL OSHA PEL: TWA 10 mg/ m³ (total)				
Barium Sulfate BaSO4	CAS # 7727-43-7	ACGI TLV: TWA 10 mg/ m³ (respirable)				
		OSHA PEL: TWA 5 mg/m³ (respirable)				
		OSHA PEL: TWA 15 mg/m³ (total)				
Barium Carbonate BaCO3	CAS# 513-77-9	ACGIH TLV: TWA 3 mg/ m ³ (respirable) (as Ba)				
		OSHA PEL: TWA 0.5 mg/ m ³ (total dust) (as Ba)				

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Section 8: Exposure Controls / Personal Protection						
Chemical Name	CAS Numbers	Occupational Exposure Limits				
Manganese Compounds	CAS# 7439-96-5	ACGIH TLV: TWA .2 mg/ m³ (respirable)				
and Fume MnO2		OSHA PEL: TWA 5 mg/m³ (respirable)				
		OSHA PEL: TWA 10 mg/m³ (total)				
		CAL OSHA PEL: TWA .2 mg/ m³ (respirable)				
		CAL OSHA STEL: TWA 3 mg/ m³ (respirable)				
Mullite Al2O3.2SiO2	CAS# 1302-93-8	ACGIH TLV: TWA 2.0 mg/ m ³ (respirable)				
		OSHA PEL: TWA 5 mg/ m ³ (respirable) as kaolin				
		OSHA PEL: TWA 15 mg/m³ (total) as kaolin				
Iron Oxide Dust and Fume	CAS# 1309-37-1	ACGIH TLV: TWA 5 mg/m³ (fume & dust)				
(as Fe)		OSHA PEL: TWA 5 mg/ m³ (respirable)				
,		OSHA PEL: TWA 15 mg/m³ (total dust)				
		CAL OSHA PEL: TWA 5 mg/m ³				
Titanium Dioxide TiO2	CAS# 13463-67-7	ACGIH TLV: TWA 10 mg/ m ³ (respirable)				
		OSHA PEL: TWA 15 mg/m ³				
		CAL OSHA PEL: TWA 5 mg/ m³ (respirable)				
		CAL OSHA PEL: TWA 10 mg/ m³ (total)				

Appropriate engineering controls

Clay in moist form poses no health risk and no inhalation risk.

Once clay has dried, there may be dust generated by cleaning and working

processes.

In the event that dust is generated, use local exhaust ventilation or other engineering controls as required to maintain exposures below applicable occupational exposure limits (TLV).

Recommendations for personal protective measures

Local Exhaust: When dry sanding or grinding clay products, use sufficient local exhaust to reduce the level of respirable dust to the applicable standards set forth in Section III. See ACGIH "Industrial Ventilation, A Manual of Recommended Practice," latest edition.

Respiratory Protection: Dust is generated when working with dry clay. To minimize exposure to dust and/or crystalline silica, cutting or sanding dry clay products should be conducted with sufficient ventilation.

Respirable dust and quartz levels should be monitored regularly. Dust and quartz levels in excess of appropriate exposure limits should be reduced by feasible engineering controls, including (but not limited to) wet sanding, wet suppression, ventilation, and process enclosure. When such controls are not feasible, NIOSH/MSHA approved respirators must be worn in accordance with a respiratory

protection program which meets OSHA requirements as set forth at 29 CFR1910.134 and ANSI Z88.2-1080 "Practices for Respiratory Protection". In most cases, a disposable N-95 Particulate Respirator is sufficient.

Eye Protection: Use NIOSH/OSHA approved safety glasses with side shields. Face shields should also be used when dry sawing clay products. Wear tight fitting dust goggles when excessively (visible) dusty conditions are present or are anticipated. NIOSH recommends that contact lenses not be worn when working with crystalline silica dust.

Skin Protection: Use gloves and/or protective clothing if abrasion or allergic reactions are experienced.

Work/Hygienic Practices: Avoid creating and breathing dust. Wear NIOSH/MSHA approved dust mask when working in dust conditions. (N-95) Food, beverages, and smoking materials should NOT be in the work area. Persons using ceramic materials should wash thoroughly before eating, drinking, smoking, or applying cosmetics.



Protective Clothing Pictograms

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Section 9: Physical & Chemical Properties

Physical State	Moist Plastic Clay
Appearance	Mud Brick
Odor	Earthy.
Odor Threshold	Not Applicable
рН	6 - 8
Solubility in Water	None
Melting Point	> 1365 °C (>2500°F)
Freezing Point	< 0 °C (<32°F)
Specific Gravity / Relative Density	2.35 g/cc
Evaporation Rate	No data available
Boiling Point	Not Applicable
Flash Point	Not Applicable
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Not Applicable
Flammability	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Explosive Limits	Not Applicable
Viscosity	Not Applicable
Partition Coefficient: n-octanol/water	Not Applicable
Initial Boiling Point & Boiling Range	Not Applicable

Section 10: Stability & Reactivity

Reactivity Hazardous reactions will not occur under normal conditions.

Chemical stability Stable at standard temperature and pressure.

No stabilizers required to maintain chemical stability.

Safety issues – Mold may form in bag after several months of shelf life.

Possibility of hazardous reactions Hazardous polymerization will not occur.

Conditions to avoid

Incompatible materials

None known

Hazardous decomposition products

None known

Section 11: Toxicological Information

Routes of Exposure Inhalation of dry clay dust (Aspiration), Ingestion

Descriptions of the delayed, immediate, or chronic effects from short- and long-term exposure				
Inhalation	Aspiration of high concentrations of dry clay dust may cause mechanical			
	irritation and discomfort. Long term exposure may cause chronic effects.			
Eye Contact	Not a primary eye irritant. May cause mechanical irritation.			
Skin Contact/IrritationNot a skin irritant. Not absorbed through skin.				
Sensitization	Not a sensitizer			
Ingestion	Not an ingestion hazard.			
Chronic Effects				
OSHA Carcinogen	Lung cancer – Silica has been classified by OSHA as a human lung carcinogen.			
Mutagenic Effects	None Known			
Teratogenic Effects	None Known			
Developmental Toxicity	None Known			

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Section 11: Toxicological Information					
Effects of Silicosis	Symptoms of Silicosis				
Bronchitis/Chronic Obstructive Pulmonary Disorder.	Shortness of breath; possible fever.				
Tuberculosis – Silicosis makes an individual more	Fatigue; loss of appetite.				
susceptible to TB.	Chest pain; dry, nonproductive cough.				
Scleroderma – a disease affecting skin, blood vessels, joints and skeletal muscles.	Respiratory failure, which may eventually lead to death.				
Possible renal disease.					
Remarks					
Carcinogenicity	Repeated or long term exposure to respirable crystalline silica dust may cause				
	lung damage in the form of silicosis. Symptoms will include progressively more				
	difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.				
	Short term exposure is of little concern.				
Numerical Measures of toxicity	None Known				

OSHA, IARC, and NTP Carcinogen Classifications							
Chemicals with Carcinogen Potential CAS# OSHA IARC NTP							
Quartz, (Crystalline Silica)	SiO2	CAS # 14808-60-7	Yes	Yes - Group 1	Yes		
Amorphous Silica (Glass & Diatomaceous Earth)	SiO2	CAS # 7631-86-9	No	No - Group 3	No		
Crystobalite	SiO2	CAS # 14464-46-1	No	Yes - Group 1	No		
Iron Oxide Dust and Fume	(as Fe)	CAS # 1309-37-1	No	No - Group 3	No		
Titanium Dioxide	TiO2	CAS # 13463-67-7	No	Yes - Group 2b	No		

Substances, mixtures and exposure circumstances in this list have been classified by the <u>IARC</u> as **Group 1**: The agent (mixture) is <u>carcinogenic</u> to humans. The exposure circumstance entails exposures that are carcinogenic to humans. This category is used when there is <u>sufficient evidence</u> of carcinogenicity in humans. Exceptionally, an agent (mixture) may be placed in this category when evidence of carcinogenicity in humans is less than sufficient but there is <u>sufficient evidence</u> of carcinogenicity in experimental animals and strong evidence in exposed humans that the agent (mixture) acts through a relevant mechanism of carcinogenicity.

Substances, mixtures and exposure circumstances in this list have been classified by the International Agency for Research on Cancer (IARC) as *Group 2B: The agent (mixture) is possibly carcinogenic to humans.* The exposure circumstance entails exposures that are possibly carcinogenic to humans. This category is used for agents, mixtures and exposure circumstances for which there is limited evidence of carcinogenicity in humans and less than sufficient evidence of carcinogenicity in experimental animals. It may also be used when there is inadequate evidence of carcinogenicity in humans but there is sufficient evidence of carcinogenicity in experimental animals. In some instances, an agent, mixture or exposure circumstance for which there is inadequate evidence of carcinogenicity in humans but limited evidence of carcinogenicity in experimental animals together with supporting evidence from other relevant data may be placed in this group. Further details can be found in the preamble to the IARC Monograph.

Substances, mixtures and exposure circumstances in this list have been classified by the <u>IARC</u> as **Group 3**: The agent (mixture or exposure circumstance) is not classifiable as to its carcinogenicity to humans. This category is used most commonly for agents, mixtures and exposure circumstances for which the evidence of carcinogenicity is inadequate in humans and inadequate or limited in experimental animals. Exceptionally, agents (mixtures) for which the evidence of carcinogenicity is inadequate in humans but sufficient in experimental animals may be placed in this category when there is strong evidence that the mechanism of carcinogenicity in experimental animals does not operate in humans. Agents, mixtures and exposure circumstances that do not fall into any other group are also placed in this category. Further details can be found in the <u>IARC Monographs</u>.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity	None Known	
Biochemical oxygen demand (BOD5)	None Known	
Chemical oxygen demand(COD)	None Known	
Products of Biodegradation	None Known	
Toxicity of the products of Biodegradation	None Known	
Bioaccumulation Potential	None Known	
Potential to move from soil to groundwater	None Known	
Other adverse effects	None Known	
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Section 13: Disposal Considerations

Personal Protection Refer to Section 8: "Recommendations for Personal Protective Measures"

when disposing of ceramic waste.

Appropriate disposal containers Standard waste disposal containers – no specials requirements.

Appropriate disposal methodsDisposal of this product should comply with the requirements of

environmental protection and waste disposal legislation and any regional local authority requirements. In most cases, this is normal waste disposal. The generation of waste should be avoided or minimized. Dispose of non-recyclable products via a licensed waste disposal contractor. Waste

packaging should be recycled. Avoid dispersal of spilled material and runoff

and contact with soil, waterways, drains, and sewers.

Physical and chemical properties that may affect disposal

Dry clay dust should be placed in a sealed container or in a manner that reduces or eliminates the release of the product. Moist clay has no special

requirements. Packaging should be recycled before disposal.

Sewage disposal Do not dispose of into sinks or toilets. They will clog. Never dispose of this

product into a sewer system.

Special precautions for landfills

or incineration activities

There are no special precautions for disposal in a landfill. This product is

non-combustible and is not suitable for incineration.

Section 14: Transportation Information

Regulatory Information	UN Number	UN Proper Shipping Name	Transport Hazard Class	Packing Group Number	Bulk Transport Guidance	Special Precautions
DOT Classification	Not regulated	-	-	-	-	-
TDG Classification	Not regulated	-	-	-	-	-
ADR/RID Class	Not regulated	-	-	-	-	-
IMDG Class	Not regulated	-	-	-	-	-
IATA-DGR Class	Not regulated	-	-	-	-	-

Section 15: Regulatory Information

TSCA – Toxic Substances Control Act - EPA	Quartz and other chemicals are listed in the		
	TSCA Chemical Substance Inventory		
CONFORMS WITH ASTM D4236	Certified Non-Toxic in moist form.		
	ASTM - American Society for Testing and Materials		
California Prop. 65	WARNING: This product can expose you to chemicals including quartz which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.		
SARA/Title III	This mixture contains no substances at or above the reporting		
(Emergency Planning & Community	threshold under Section 313,		
Right-to-Know Act)	based on available data.		

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Section 16: Other Information

Definitions

ASTM means American System of Testing and Materials

OSHA means Occupational Safety & Health Administration

IARC means International Agency for Research on Cancer

NTP means National Toxicology Program

HCS means Hazardous Communication Standard

CAS means Chemical Abstract Service

ACGIH means American Conference of Governmental Industrial Hygienists

CAL-OSHA means California OSHA, most CAL-OSHA standards defer to the federal OSHA standards

OSHA means Occupational Safety & Health Administration

OSHA PEL means OSHA Permissible Exposure Limit

OSHA STEL means spot exposure for a duration of 15 minutes, that cannot be repeated more than 4 times per day, with at least 60 minutes between exposure periods

TWA means Time Weighted Average (average exposure on the basis of an 8h/day, 40h/week work schedule)

TLV means Threshold Limit Value - American Conference of Governmental Industrial Hygienists (ACGIH)

Three types of TLVs for chemical substances as defined by the ACGIH are:

- 1. **TLV-TWA** Time weighted average average exposure on the basis of an 8h/day, 40h/week work schedule.
- 2. **TLV-STEL** Short-term exposure limit spot exposure for a duration of 15 minutes, that cannot be repeated more than 4 times per day, with at least 60 minutes between exposure periods.
- TLV-C Ceiling limit absolute exposure limit that should not be exceeded at any time.

This SDS is in compliance with The Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – prepared May 12, 2015. This data sheet is subject to change without notice.

Information presented herein has been compiled from sources considered to be dependable and is accurate and reliable to the best of our knowledge and belief but is not guaranteed to be so. Nothing herein is to be construed as recommending any practice or any product in violation of any patent or in violation of any law or regulation. It is the user's responsibility to determine for himself the suitability of any material for a specific purpose and to adopt such safety precautions as may be necessary. We make no warranty as to the results to be obtained in using any material and, since conditions of use are not under our control, we must necessarily disclaim all liability with respect to the use of any material supplied by us.