

SDS prepared by Steve Davis of Aardvark Clay & Supplies

GHS – United States

## Section 1. Identification

| Product Names | Artic White, Bee Mix 5, Bee Mix 5 + Sand, Bone White, FSB, Nara 5, Texas White |  |  |
|---------------|--|--|--|
| Synonym       | Pottery Clays – Water based, moist, Cone 5 Light Clays                         |  |  |
| Supplier/     | Aardvark Clay & Supplies   |  |  |
| Manufacturer  | 1400 East Pomona St.   |  |  |
|               | Santa Ana, Ca. 92705 USA   |  |  |
|               | 714-541-4157 phone   |  |  |
|               | 714-541-2021 fax   |  |  |
|               | <u>contact@aardvarkclay.com</u>  |  |  |
|               |  |  |  |

#### **Emergency Phone Number** 911

Product Use Pottery Manufacturing

**Restrictions on use** Not applicable

## Section 2. Hazards Identification

| GHS/Hazcom<br>2012 Labels | GHS/Hazcom 201  | 2 Classifications:  |  |  |  |  |
|---------------------------|---|---|--|--|--|--|
|                           | Health:   | Health:   |  |  |  |  |
|                           | CARCINOGENICITY (In   | halation) - Category 1A (quartz) (See Section 11 for carcinogen listings) |  |  |  |  |
|                           | CARCINOGENICITY (In   | CARCINOGENICITY (Inhalation) - Category 2B (titanium dioxide)             |  |  |  |  |
|                           | SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) (respiratory tract) (inhalation) - Category 1 (quartz) |   |  |  |  |  |
|                           |   |   |  |  |  |  |
|                           | SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) (respiratory tract) (inhalation) - Category 3 (quartz)   |   |  |  |  |  |
|                           | EYE IRRITANT - Category 2A (quartz)   |   |  |  |  |  |
|                           | SKIN IRRITANT - Category 2 (quartz)   |   |  |  |  |  |
|                           |   |   |  |  |  |  |
| Signal Word:              | Environmental:  | Not Hazardous   |  |  |  |  |
| Danger                    | Physical:   | Not Hazardous   |  |  |  |  |

| Hazard S | Hazard Statements:                                      |              |           |                                  |  |
|----------|---|--------------|-----------|----------------------------------|--|
| Health:  |   |              |           |                                  |  |
| H320     | Causes ey   | e irritation | H316      | Causes mild skin irritation.     |  |
| H372     | 72 Causes damage to organs (lungs) through prolonged or |              | H335      | May cause respiratory irritation |  |
|          | repeated exposure (inhalation).                         |              | H350      | May cause cancer.                |  |
| Environ  | Environmental: Not hazardous                            |              | Physical: | Not hazardous                    |  |

| Precauti | ion Statements:  |                    |             |  |                      |
|----------|--|--------------------|-------------|--|----------------------|
| Prevent  | ion  |                    |             |  |                      |
| P261     | Avoid breathing dust/spray.  |                    | P270        | Do not eat, drink, or smoke when using this product.   |                      |
| P262     | Do not get into eyes, on skin, o   | r on clothing.     | P273        | Avoid release to the environment.  |                      |
| P264     | Wash hands thoroughly after h  | andling.           | P284        | [In case of inadequate ventilation] wear resp  | piratory protection. |
| Respons  | ie in the second se |                    |             |  |                      |
| P314     | Get medical advice/attention if  | you feel unwell.   | P391        | Collect Spillage.  |                      |
| P302+    | IF ON SKIN: Wash with plenty of soap and water.  |                    | P304+       | IF INHALED: Remove person to fresh air and keep comfortable                                  |                      |
| P352     |  |                    | P340        | for breathing.   |                      |
| P305+    | IF IN EYES: Rinse cautiously with water for several  |                    | P301+       | IF SWALLOWED: Rinse mouth. DO NOT induc  | ce vomiting.         |
| P351+    | minutes. Remove contact lenses if present and easy to  |                    | P330+       |  |                      |
| P338     | do – continue rinsing.   |                    | P331        |  |                      |
| P333+    | If skin or eye irritation persists   | get medical        |             |  |                      |
| P337+    | advice/attention.  |                    |             |  |                      |
| P313     |  |                    |             |  |                      |
| Storage  |  | Disposal           |             |  |                      |
| P402     | Store in a dry place.  |                    | P501        | Dispose of contents/container in accordance<br>local/regional/national/international regulat |                      |
| Hazards  | not otherwise classified:  | Slippery when wet. | % of ingree | dients with unknown acute toxicity:  | None known.          |



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Section 3. Composition / Information on Ingredients

| Chemical   |      | CAS Numbers      | Chemical % of Mixtures |
|--|------|------------------|------------------------|
| Quartz, (Crystalline Silica)                     | SiO2 | CAS # 14808-60-7 | 15-39                  |
| Amorphous Silica<br>(Glass & Diatomaceous Earth) | SiO2 | CAS # 7631-86-9  | 0-10                   |
| Crystobalite                                     | SiO2 | CAS # 14464-46-1 | 0-2.4                  |
| Kaolinite Al2O3.2SiO2.                           | 2H2O | CAS # 1332-58-7  | 21-41                  |
| Titanium Dioxide                                 | TiO2 | CAS # 13463-67-7 | 0-1.8                  |

## Section 4. First-Aid Measures

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

| Most Important Symptoms and Effect | s, 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 after skin       | Prolonged contact with large amounts of dust may cause mechanical irritation.   |  |
| contact                            |   |  |
| Symptoms/injuries after eye        | Prolonged contact with large amounts of dust may cause mechanical irritation.   |  |
| contact                            |   |  |
| 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 can 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 mixture | This mixture is not flammable and does not support fire.                   |  |
|   | The plastic bags and cardboard boxes containing the mixture are flammable. |  |
| Hazardous thermal decomposition products              | This mixture does not contain hazardous decomposition products.            |  |
| Special protective actions for fire-fighters          | Product can become slippery when wet.                                      |  |
| Special protective equipment for fire-fighters        | Fire-fighters should wear appropriate protective equipment.                |  |

## 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 procedures                     | There are no emergency procedures required for this mixture.  |
| Methods and Materials<br>for containment | Product comes in plastic bags and weigh 25 lbs. 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. |

| Section 7. Handling & Storage                         |  |  |  |
|---|--|--|--|
| Precautions for safe handling                         | Keep out of direct sunlight. Do not expose to freezing. Boxes of moist clay weigh 52 lbs.<br>Use proper lifting techniques to avoid physical injury. |  |  |
| Recommendations on the<br>conditions for safe storage | No special storage considerations, but keep in a dry, cool location.   |  |  |



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| Section 8. Exposure Controls / Personal Protection |                 |   |  |
|--|-----------------|---|--|
| Chemical Name CAS Numbers                          |                 | Occupational Exposure Limits  |  |
| Quartz, SiO2                                       | CAS#14808-60-7  | ACGIH TLV: TWA 0.025 mg/m <sup>3</sup> (respirable)                                       |  |
| (Crystalline Silica)                               |                 | OSHA PEL: TWA 10 mg/m $\frac{3}{2}$ divided by the value "%SiO2" + 2 (respirable)         |  |
|  |                 | OSHA PEL: TWA 30 mg/m <sup>3</sup> / divided by the value " $\%$ SiO2" + 2 (total dust)   |  |
|  |                 | CAL OSHA PEL: TWA .05 mg/ m <sup>3</sup> (respirable)                                     |  |
|  |                 | CAL OSHA PEL: TWA .3 mg/ m <sup>3</sup> (total)   |  |
| Amorphous Silica SiO2                              | CAS#7631-86-9   | ACGIH TLV: TWA 10 mg/ m <sup>3</sup> (respirable)   |  |
| (Glass & Diatomaceous Earth)                       |                 | OSHA PEL: TWA for amorphous silica (diatomaceous earth) is either 80 mg/m <sup>3</sup>    |  |
|  |                 | divided by the value "%SiO <sub>2</sub> ," or 20 mppcf.                                   |  |
|  |                 | CAL OSHA PEL: TWA 3 mg/ m <sup>3</sup> (respirable)                                       |  |
|  |                 | CAL OSHA PEL: TWA 6 mg/ m <sup>3</sup> (total)  |  |
| Crystobalite SiO2                                  | CAS#14464-46-1  | ACGIH TLV: TWA .05 mg/m <sup>3</sup> (respirable)   |  |
|  |                 | OSHA PEL: TWA 5 mg/m $\frac{3}{2}$ divided by the value "%SiO2" + 2 (respirable)          |  |
|  |                 | OSHA PEL: TWA 15 mg/m <sup>3</sup> / divided by the value "%SiO2" + 2 (total dust)        |  |
|  |                 | CAL OSHA PEL: TWA .05 mg/ m <sup>3</sup> (respirable)                                     |  |
| Kaolinite Al2O3.2SiO2.2H2O                         | CAS#1332-58-7   | ACGIH TLV: TWA 2 mg/ m <sup>3</sup> (respirable) / particulate matter containing no       |  |
|  |                 | asbestos and <1% crystalline silica (respirable)  |  |
|  |                 | OSHA PEL: TWA 5 mg/m <sup>3</sup> (respirable)  |  |
|  |                 | OSHA PEL: TWA 15 mg/m <sup>3</sup> (total)  |  |
|  |                 | CAL OSHA PEL: TWA 2 mg/ m <sup>3</sup> (respirable)                                       |  |
| Titanium Dioxide TiO2                              | CAS# 13463-67-7 | ACGIH TLV: TWA 10 mg/ m <sup>3</sup> (respirable)   |  |
|  |                 | OSHA PEL: TWA 15 mg/m <sup>3</sup>  |  |
|  |                 | CAL OSHA PEL: TWA 5 mg/m <sup>3</sup> (respirable) CAL OSHA PEL: TWA 10 mg/m <sup>3</sup> |  |
|  |                 | (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 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.



N-95 face mask

## Section 9. Physical & Chemical Properties

**Protective Clothing Pictograms** 

| 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      |  |



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| 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.<br>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                | None known   |  |
| Incompatible materials             | None known   |  |
| Hazardous decomposition products   | None known   |  |

### Section 11. Toxicological Information

| 0   |   |  |  |                            |                         |             |  |
|---|---|--|--|----------------------------|-------------------------|-------------|--|
| Routes of Exposure  | Inhalation of dry clay dust, Ingesti  | Inhalation of dry clay dust, Ingestion   |  |                            |                         |             |  |
| Descriptions of the delayed, immediate, or chronic effects from short- and long-term exposure |   |  |  |                            |                         |             |  |
| Inhalation  | Inhalation of high concentrations of dry clay dust may cause mechanical irritation and discomfort.            |  |  |                            |                         |             |  |
|   | Long term exposure may cause chr  | Long term exposure may cause chronic effects.  |  |                            |                         |             |  |
| Eye Contact   | Not a primary eye irritant. May cau   |  |  |                            |                         |             |  |
| Skin Contact/Irritation   | Not a skin irritant. Not absorbed th  | nrough   | skin.  |                            |                         | -           |  |
| Sensitization   | Not a sensitizer.   |  |  |                            |                         | -           |  |
| Ingestion   | Not an ingestion hazard.  |  |  |                            |                         | -           |  |
| Chronic Effects   |   |  |  |                            |                         |             |  |
| OSHA Carcinogen   | Lung cancer – Silica has been classi  | ified by   | / OSHA as a human l                                      | ung carcino                | gen. Repeated or prol   | onged       |  |
|   | exposure to respirable crystalline s  | silica du  | ust may cause lung d                                     | lamage in th               | e form of silicosis. Sy | nptoms will |  |
|   | include progressively more difficul   | include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal. |  |                            |                         |             |  |
| Mutagenic Effects   | None Known  |  |  |                            |                         |             |  |
| Teratogenic Effects   | None Known  | None Known   |  |                            |                         |             |  |
| Developmental Toxicity  | None Known  | None Known   |  |                            |                         |             |  |
| Effects of Silicosis  |   |  | Symptoms of Silic  | osis                       |                         |             |  |
| Bronchitis/Chronic Obstructive Pulmonary Disorder.  |   |  | Chest pain; dry, nonproductive cough.                    |                            |                         |             |  |
| Tuberculosis – Silicosis makes an individual more susceptible to TB.                          |   |  | Respiratory failure, which may eventually lead to death. |                            |                         |             |  |
| Scleroderma – a disease affecting skin, blood vessels, joints and skeletal musc               |   | scles.   | es. Shortness of breath; possible fever.                 |                            |                         |             |  |
| Possible renal disease.   | issible renal disease.  |  |  | Fatigue; loss of appetite. |                         |             |  |
| Numerical Measures of Toxicity  | None Known  |  |  |                            |                         |             |  |
| 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 |  |  | t loss. Acute              |                         |             |  |
|   | silicosis can be fatal. Short term exposure is of little concern.   |  |  |                            |                         |             |  |
|   | OSHA, IARC, and NTP Carc  | inoger   | Classifications  |                            |                         |             |  |
| <b>Chemicals with Carcinogen Potential</b>  |   |  | CAS#   | OSHA                       | IARC                    | NTP         |  |
| Quartz, (Crystalline Silica)  | SiO2  | CA   | AS # 14808-60-7  | Yes                        | Yes - Group 1           | Yes         |  |
|   |   |  |  |                            |                         |             |  |

| 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  |
| Kaolinite Al2C                                | 03.2SiO2.2H2O | CAS # 1332-58-7  | No  | No             | 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 IARC as *Group 1*: *The agent (mixture) is carcinogenic to humans. The exposure circumstance entails exposures that are carcinogenic to humans.* This category is used when there is *sufficient evidence* of carcinogenicity in humans. Exceptionally, an agent (mixture) may be placed in this category when evidence of carcinogenicity in humans is less than sufficient evidence 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 <u>International Agency for Research on Cancer</u> (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. 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 the preamble to the IARC Monograph.



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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   |  |  |  |  |
| 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 methods                                    | Disposal of this product should comply with the requirements of environmental protection<br>and waste disposal legislation and any regional local authority requirements. In most cases,<br>this is normal waste disposal.<br>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<br>eliminates the release of the product. Moist clay has no special requirements.<br>Packaging should be recycled before disposal.   |  |  |  |  |
| Sewage disposal   | Do not dispose of into sinks or toilets. They will clog.<br>Never dispose of this product into a sewer system.   |  |  |  |  |
| Special precautions for landfills<br>or incineration activities | There are no special precautions for disposal in a landfill.<br>This product is non-combustible and is not suitable for incineration.  |  |  |  |  |

## Section 14. Transportation Information

| Regulatory Information | UN<br>Number  | UN Proper Shipping<br>Name | Transport<br>Hazard Class | Packing<br>Group Number | Bulk Transport<br>Guidance | Special<br>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 threshold under   |
| (Emergency Planning & Community Right-to-Know Act) | Section 313, based on available data.   |
|  |   |

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



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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.
- 3. 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.