

Safety Data Sheet

SDS prepared by Cindy Bracker of Kansas Clay

GHS - United States

Section 1. Identification

| | |
|------------------------------|---|
| Product Names | 5/6 Red, Kansas Wheat, 5/6 Black, Redstone, Stoneware, Stoneware Plus, Delicious Irony, True Grit |
| Synonym | Pottery Clays – Water based, moist, Cone 5-10 Dark Clays |
| Supplier/Manufacturer | Kansas Clay 1831 E 1450 Rd Lawrence, KS. 66044 USA 785-841-4750 phone 785-841-8142 fax mail@kansasclay.com |

| | |
|-------------------------------|---|
| Emergency Phone Number | 911 |
| Product Use | Non Exhaustive list: Pottery, artware, ceramic building materials |
| Restrictions on use | Not applicable |

Section 2. Hazards Identification

| GHS/Hazcom 2012 Labels | GHS/Hazcom 2012 Classifications: |
|------------------------|--|
| | Health: |
| | CARCINOGENICITY (Inhalation) - Category 1A (quartz) (See Section 11 for carcinogen listings) |
| | CARCINOGENICITY (Inhalation) - Category 2B (titanium dioxide) |
| | SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) (respiratory tract) (inhalation) - Category 1 (quartz) |
| | SPECIFIC TARGET ORGAN TOXICITY (Repeated Exposure) (respiratory tract) (inhalation) - Category 2 (iron oxide) |
| | 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 Statements: | | | |
|-----------------------|--|------------------|----------------------------------|
| Health: | | | |
| H320 | Causes eye irritation | H316 | Causes mild skin irritation. |
| H372 | Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation). | H335 | May cause respiratory irritation |
| | | H350 | May cause cancer. |
| Environmental: | Not hazardous | Physical: | Not hazardous |

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



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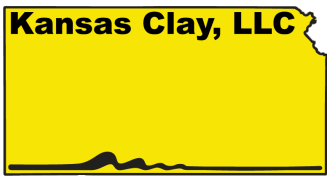
Section 3. Composition/Information on Ingredients

| Substances: N/A | | Mixtures: A trade secret claim is made for this group of substantially similar mixtures. | |
|--|------------------|---|--|
| Chemical | CAS Numbers | Approximate Ingredient % of Mixture (Clay) by weight | |
| Quartz, (Crystalline Silica) SiO ₂ | CAS # 14808-60-7 | 0-30% | |
| Amorphous Silica SiO ₂ (Glass & Diatomaceous Earth) | CAS # 7631-86-9 | 0-20% | |
| Crystobalite SiO ₂ | CAS # 14464-46-1 | 0-30% | |
| Kaolinite Al ₂ O ₃ .2SiO ₂ .2H ₂ O | CAS # 1332-58-7 | 0-50% | |
| Alumina (Alumina Oxide). Al ₂ O ₃ | CAS # 1344-28-1 | 0-30% | |
| Manganese Compounds and Fume | CAS# 14807-96-6 | 0-10% | |
| Mullite Al ₂ O ₃ .2SiO ₂ | CAS# 1302-93-8 | 0-20% | |
| Iron Oxide Dust and Fume (as Fe) | CAS # 1309-37-1 | 0-35% | |
| Titanium Dioxide TiO ₂ | CAS # 13463-67-7 | 0-25% | |

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. 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. If discomfort 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 after skin contact | Prolonged contact with large amounts of dust may cause mechanical irritation. |
| 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 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.



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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 an N-95 face mask when cleaning up dry clay dust. |
| Emergency procedures | There are no emergency procedures required for this mixture. |
| Methods and Materials for containment | Product comes in plastic bags and weigh 25 lbs. Clean up any wet spills or clay slop with a damp sponge. For dry spills, spray with water and use a damp sponge to clean up.. |
| 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

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|---|---|
| Precautions for safe handling | Keep out of direct sunlight. Do not expose to freezing. Boxes of moist clay weigh 50 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. |



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Section 8. Exposure Controls/Personal Protection

| Chemical Name | CAS Numbers | Occupational Exposure Limits |
|--|-----------------|---|
| Quartz, (Crystalline Silica) SiO ₂ | CAS#14808-60-7 | ACGIH TLV: TWA 0.025 mg/m ³ (respirable) OSHA PEL: TWA 10 mg/m ³ / divided by the value "%SiO ₂ " + 2 (respirable) OSHA PEL: TWA 30 mg/m ³ / divided by the value "%SiO ₂ " + 2 (total dust) CAL OSHA PEL: TWA .05 mg/ m ³ (respirable) CAL OSHA PEL: TWA .3 mg/ m ³ (total) |
| Amorphous Silica (Glass & Diatomaceous Earth) SiO ₂ | CAS#7631-86-9 | ACGIH TLV: TWA 10 mg/ m ³ (respirable) OSHA PEL: TWA for amorphous silica (diatomaceous earth) is either 80 mg/m ³ divided by the value "%SiO ₂ ," or 20 mppcf. CAL OSHA PEL: TWA 3 mg/ m ³ (respirable) CAL OSHA PEL: TWA 6 mg/ m ³ (total) |
| Crystobalite SiO ₂ | CAS#14464-46-1 | ACGIH TLV: TWA .05 mg/m ³ (respirable) OSHA PEL: TWA 5 mg/m ³ / divided by the value "%SiO ₂ " + 2 (respirable) OSHA PEL: TWA 15 mg/m ³ / divided by the value "%SiO ₂ " + 2 (total dust) CAL OSHA PEL: TWA .05 mg/ m ³ (respirable) |
| Kaolinite Al ₂ O ₃ .2SiO ₂ .2H ₂ O | CAS#1332-58-7 | ACGIH TLV: TWA 2 mg/ m ³ (respirable) / particulate matter containing no asbestos and <1% crystalline silica OSHA PEL: TWA 5 mg/m ³ (respirable) OSHA PEL: TWA 15 mg/m ³ (total) CAL OSHA PEL: TWA 2 mg/ m ³ (respirable) |
| Alpha – Alumina (Alumina Oxide) Al ₂ O ₃ | CAS#1344-28-1 | ACGIH TLV: TWA 10 mg/m ³ for particulate matter containing no asbestos and < 1% crystalline silica OSHA PEL: TWA 5 mg/ m ³ (respirable) OSHA PEL: TWA 15 mg/m ³ (total dust) CAL OSHA PEL: TWA 5 mg/ m ³ (respirable) CAL OSHA PEL: TWA 10 mg/ m ³ (total) |
| Mullite Al ₂ O ₃ .2SiO ₂ | CAS# 1302-93-8 | ACGIH TLV: TWA 2 mg/ m ³ (respirable) OSHA PEL: TWA 5 mg/ m ³ (respirable) as kaolin OSHA PEL: TWA 15 mg/m ³ (total) as kaolin |
| Iron Oxide Dust and Fume (as Fe) | CAS# 1309-37-1 | ACGIH TLV: TWA 5 mg/m ³ (fume & dust) OSHA PEL: TWA 5 mg/ m ³ (respirable) OSHA PEL: TWA 15 mg/m ³ (total dust) CAL OSHA PEL: TWA 5 mg/m ³ |
| Titanium Dioxide TiO ₂ | 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/ m ³ (respirable) CAL OSHA PEL: TWA 10 mg/ m ³ (total) |



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Section 8. Exposure Controls/Personal Protection

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.

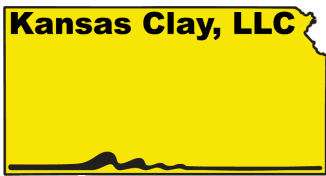
Protective Clothing Pictograms



N-95 face mask

Section 9. Physical & Chemical Properties

| | |
|--|---------------------|
| Physical State | Moist Plastic Clay |
| Appearance | Mud Brick |
| Odor | Earthy. |
| Odor Threshold | Not Applicable |
| pH | 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 |



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Section 10. Stability & Reactivity

| | |
|---|---|
| Reactivity | No dangerous reactions are known under normal conditions of use |
| 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 | None known |
| Incompatible materials | None known |
| Hazardous decomposition products | None known |

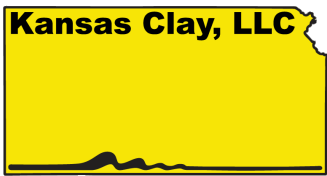
Section 11. Toxicological Information

| | |
|--|--|
| Routes of Exposure | 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. Repeated exposure may cause chronic effects. |
| Eye Contact | Not a primary eye irritant. May cause mechanical irritation. |
| Skin Contact/Irritation | Not 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. 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. |
| Mutagenic Effects | None Known |
| Teratogenic Effects | None Known |
| Developmental Toxicity | None Known |
| Effects of Silicosis | |
| Bronchitis/Chronic Obstructive Pulmonary Disorder. Tuberculosis – Silicosis makes an individual more susceptible to TB. Scleroderma – a disease affecting skin, blood vessels, joints and skeletal muscles. Possible renal disease. | Symptoms of Silicosis Shortness of breath; possible fever. Fatigue; loss of appetite. Chest pain; dry, nonproductive cough. Respiratory failure, which may eventually lead to death. |
| Numerical Measures of toxicity | None Known |
| Remarks - Medical conditions aggravated by Exposure: Individuals with pre-existing allergies, eye disorders, skin disorders, respiratory disorders and/or gastrointestinal disorders may have increased susceptibility to the effects of exposure | |
| 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. |

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 |
| Magnesium Silicate (Talc / non-asbestos) | Mg3Si4O10(OH)2 | CAS# 14807-96-6 | No | No - Group 3 | 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 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 but there is sufficient evidence of carcinogenicity in experimental animals and strong evidence in exposed humans that the agent (mixture) acts through a relevant mechanism of carcinogenicity.



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Section 11. Toxicological Information

OSHA, IARC, and NTP Carcinogen Classifications

The agents in this list have been classified in **Group 2A (probable carcinogens)**^[1] by the **IARC (International Agency for Research on Cancer)**. The term "agent" encompasses both substances and exposure circumstances that pose a risk. This designation is applied when there is *limited evidence* of **carcinogenicity** in humans as well as *sufficient evidence* of carcinogenicity in **experimental animals**. In some cases, an agent may be classified in this group when there is *inadequate evidence* of carcinogenicity in humans along with *sufficient evidence* of carcinogenicity in experimental animals and *strong evidence* that the carcinogenesis is mediated by a mechanism that also operates in humans. Exceptionally, an agent may be classified in this group solely on the basis of *limited evidence* of carcinogenicity in humans.

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 **IARC** 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 [IARC Monographs](#).

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 (non-mandatory)

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 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.



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Section 14. Transportation Information (non-mandatory)

| 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 (non-mandatory)

| | |
|--|--|
| 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 (Emergency Planning & Community Right-to-Know Act) | This mixture contains no substances at or above the reporting threshold under 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

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.
- 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.