

# Wendt Pottery

Idaho Clay and Glaze

Trade name: Helmer Kaolin

Issue date: 2016/06/20

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## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Reviewed 2016/06/20

### Product identifier

Trade name: HELMER KAOLIN

Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.

### Product description

A SEDIMENTARY KAOLIN CLAY USED PRIMARILY FOR POTTERY PRODUCTION AND GLAZE FORMULATION.

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier:

Wendt Pottery  
2729 Clearwater Ave  
Lewiston, Idaho 83501  
phone: 208 746 3724  
email: mwendt@wendtpottery.com  
Website: <http://www.wendtpottery.com>

Emergency telephone number: Michael Wendt 208 305 4277

### Classification of the substance or mixture



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

### Label elements

#### GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



GHS08

Signal word Danger

#### Hazard-determining components of labeling:

Quartz (SiO<sub>2</sub>)

#### Hazard statements

May cause cancer.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

#### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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IF exposed or concerned: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Unknown acute toxicity:**  
99 percent of the mixture consists of ingredient(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

1332-58-7 Kaolin >99%

- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous Components:**

CAS: 14808-60-7 Quartz (SiO<sub>2</sub>) <1.0%  
RTECS: VV 7330000 ☠ Carc. 1A, H350; STOT RE 1, H372; ☠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Wash with soap and water.  
If skin irritation occurs, consult a doctor.
- **After eye contact:**  
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If large quantities are ingested, seek medical advice.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**  
Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include coughing, discomfort in the chest and shortness of breath. Prolonged exposure may cause chronic effects.
- **Indication of any immediate medical attention and special treatment needed**  
Provide general supportive measures and treat symptomatically. Keep victim under observation.  
Symptoms may be delayed.

- **Extinguishing media**
- **Suitable extinguishing agents:**

Kaolin dust is not combustible.



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· **Special hazards arising from the substance or mixture** Non-combustible, substance itself does not burn.

· **Advice for firefighters**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Avoid the formation of dust

Dispose contaminated material as waste according to section 13.

Sweep up or vacuum up spillage and collect in suitable container for disposal.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Practice good housekeeping to prevent the accumulation of dust in the workplace. Avoid creating and breathing airborne dust. Practice good hygiene: wash hands before eating, drinking or smoking and do not store food, eat or drink in area where chemicals are handled.

Avoid prolonged or repeated exposure.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool, dry place.

Store in a well ventilated place.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep receptacle tightly sealed.

· **Specific end use(s)** No further relevant information available.

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

· **Components with occupational exposure limits:**

1332-58-7 Kaolin

PEL Long-term value: 15\* 5\*\* mg/m<sup>3</sup>

\*total dust \*\*respirable fraction

REL Long-term value: 10\* 5\*\* mg/m<sup>3</sup>

\*total dust \*\*respirable fraction

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TLV Long-term value: 2\* mg/m<sup>3</sup>  
E; as respirable fraction

### 14808-60-7 Quartz (SiO<sub>2</sub>)

PEL see Quartz listing

REL Long-term value: 0.05\* mg/m<sup>3</sup>  
\*respirable dust; See Pocket Guide App. A

TLV Long-term value: 0.025\* mg/m<sup>3</sup>  
\*as respirable fraction

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

#### · **Exposure controls**

Provide general ventilation in processing and storage. Provide local exhaust if necessary to reduce dust levels below acceptable limits.

#### · **Personal protective equipment:**

##### · **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

##### · **Breathing equipment:**



NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

##### · **Protection of hands:**



Protective gloves

##### · **Eye protection:**



Safety glasses

### \* Physical and chemical properties

#### · **Information on basic physical and chemical properties**

##### · **General information**

##### · **Appearance:**

**Form:** Powder

**Color:** Off-white

· **Odor:** Odorless

· **Odor threshold:** Not determined.

· **pH-value:** 3.5 - 6 (When tested as a 20% solids suspension)

##### · **Change in condition**

**Melting point/Melting range:** 1760 °C (3200 °F)

· **Flash point:** Not applicable.

· **Ignition temperature:** Not determined



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- **Decomposition temperature:** 550 °C (1022 °F) (Dehydroxylation)
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:**
  - Relative density** 2.63
- **Solubility in / Miscibility with Water:** Insoluble.
- **Solvent content:**
  - Organic solvents:** 0.0 %
  - Solids content:** 100.0 %
- **Other information** No further relevant information available.

### \* **Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:**
  - Contact with fluorine, oxygen difluoride, and chlorine trifluoride will cause fire.
  - Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### \* **Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - on the skin:** Mild irritant effect.
  - on the eye:** Mild irritant effect.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Irritant
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**

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"In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

14808-60-7 Quartz (SiO<sub>2</sub>)

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• **NTP (National Toxicology Program)**

14808-60-7 Quartz (SiO<sub>2</sub>)

K

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

• **Toxicity**

• **Aquatic toxicity:** No further relevant information available.

• **Persistence and degradability** No further relevant information available.

• **Behavior in environmental systems:**

• **Bioaccumulative potential** No further relevant information available.

• **Mobility in soil** No further relevant information available.

• **Additional ecological information:**

• **General notes:** Not known to be hazardous to water.

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **Other adverse effects** No further relevant information available.

• **Waste treatment methods**

• **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

• **Uncleaned packagings:**

• **Recommendation:** Disposal must be made according to official regulations.

• **Recommended cleansing agent:** Water, if necessary with cleansing agents.

• **UN-Number**

• **DOT, ADR, ADN, IMDG, IATA**

Non-Regulated Material

• **UN proper shipping name**

• **DOT, ADR, ADN, IMDG, IATA**

Non-Regulated Material

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- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":** -

\* [Redacted]

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**
- **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**  
None of the ingredients are listed.
- **TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- **California Proposition 65**
- **Chemicals known to cause cancer:**  
14808-60-7 Quartz (SiO<sub>2</sub>)
- **Chemicals known to cause reproductive toxicity for females:**  
None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for males:**  
None of the ingredients are listed.
- **Chemicals known to cause developmental toxicity:**  
None of the ingredients are listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients are listed.
- **TLV (Threshold Limit Value established by ACGIH)**  
1332-58-7 Kaolin 2 mg/m<sup>3</sup>  
14808-60-7 Quartz (SiO<sub>2</sub>) A2
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
14808-60-7 Quartz (SiO<sub>2</sub>)
- **GHS label elements**  
The substance is classified and labeled according to the Globally Harmonized System (GHS).

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### Hazard pictograms



GHS08

### Signal word Danger

### Hazard-determining components of labeling:

Quartz (SiO<sub>2</sub>)

### Hazard statements

May cause cancer.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

IF exposed or concerned: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

### State Right to Know

CAS: 1332-58-7 Kaolin >99%

CAS: 14808-60-7 Quartz (SiO<sub>2</sub>) <1.0%

RTECS: VV 7330000 ⚠ Carc. 1A, H350; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320

All ingredients are listed.

### Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

The information contained herein is believed to be true and accurate and is intended to meet the globally harmonized version of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, adopted on March 26, 2012. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, by Wendt Pottery. Therefore, Wendt Pottery neither makes nor implies any warranty that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. Wendt Pottery cannot anticipate all conditions under which this information and our product, or the products of other manufacturers in combination with our product, may be used. It is the purchaser's/user's responsibility to ensure safe conditions for handling, storage and disposal of the product.

**Date of preparation/ last revision** 2016/06/20

### Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods



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DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
Carc. 1A: Carcinogenicity, Hazard Category 1A  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

SDS based upon earlier versions supplied by the  
A.P. Green Corporation for this same clay which  
they sold as Troy Fireclay mined at Helmer, ID.