

Material Safety Data Sheet Helmer Kaolin Clay

SECTION I

PRODUCT TYPE SEDIMENTARY CLAY
CHEMICAL FAMILY $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$ HYDROUS ALUMINO-SILICATE
ASSOCIATED COMPOUNDS $\text{Fe}_2\text{O}_3 < 2\%$ $\text{K}_2\text{O} < 2\%$ $\text{TiO}_2 < 2\%$

SECTION II

PRODUCT HAZARDOUS INGREDIENTS

CHEMICAL	TLV-TLW	CAS #
Quartz (SiO_2) Silica < 2%	0.01 mg/cubic meter respirable dust*	14808-60-7

*Source: American Conference of Governmental Hygienists, 1989-1990

SECTION III

PHYSICAL DATA

Solubility in water: slight Appearance and odor: Gray granular : no odor

Specific gravity: Not applicable Melting Point >3400 degrees Fahrenheit (PCE cone 34)

SECTION IV

FIRE AND EXPLOSION HAZARD DANGER

This product is not combustible in any form and will not support combustion.

SECTION V

HEALTH HAZARD DATA

Effects of Overexposure:

Emergency and First Aid Procedures:

Eyes: Acute: Mechanical Irritation

rinse with water, see doctor if needed

Chronic: None Known

Skin: Acute: None Known

None

Chronic: None Known

Lungs: Acute: May cause mechanical irritation
needed

Remove to fresh air, see doctor if

Chronic: May cause lung damage

Ingestion: Acute: Not Known

Contact doctor and follow instructions

Chronic: Not Known

SECTION VI

Reactivity Data

Product is stable and has no known incompatibilities with other materials and does not form hazardous polymers.

SECTION VII

Spill or Leak Procedures

This product may be disposed of in an approved landfill in accordance with local, state and Federal regulations. Collection method, sweep, shovel or vacuum (HEPA filter vacuum)

SECTION VIII

Special Protection Information

Use a NIOSH approved respirator when dust is present. General mechanical ventilation is adequate in most cases. Eye protection is optional. No other protection is needed.

SECTION IX

Special Precautions

WARNING! Although the free silica content is < 2%, repeated and prolonged exposure to any dust can cause lung damage and this product is no exception. The hazards can be virtually eliminated by good housekeeping and following the rules below:

1. Since the wet form of the clay is dustless, flood areas to be cleaned gently with water and either wet broom, squeegee, or wet vacuum the water away. Clean often.
2. Aprons and towels should be changed frequently during the day since the clay dries on them and when they are used, they flex causing the clay to then become airborne.
3. Keep clay and glaze mixing areas separate from the rest of the studio and provide good ventilation to the clay and glaze mixing areas.
4. Institute a regular cleaning schedule for the rest of the studio areas so that shelves and ware boards are washed outside regularly. As part of this program, place clean mirror tile sections throughout your work areas and monitor them often to see how quickly they become dusty. If they are dusty within a few days, you need to improve your housekeeping.

MSDS prepared by Michael Wendt owner Wendt Pottery 2729 Clearwater Ave
Lewiston, Idaho 83501 phone 1-208-746-3724

Wendt Pottery 1-800-554-3724 1-208-746-3724 fax 1-208-746-6968 e-mail wendtpot@lewiston.com

