

TRINITY CERAMIC SUPPLY  
9016 DIPLOMACY ROW  
DALLAS, TX 75247  
214-631-0540 FAX: 214-637-6463

**MATERIAL SAFETY  
DATA SHEET (MSDS)**

**MATERIAL: KILN WASH**

**I. PRODUCT IDENTIFICATION**

Name: Kiln Wash

Ingredients and Identification: Alumina Trihydrate, CAS No. 21645-51-2  
Silica, CAS No. 148808-60-7  
Kaolin, CAS No. 1332-58-7

Occupational OSHA PEL: Alumina Trihydrate- 10  
Kaolin- 5  
Silica- 10

Exposure Limits: Alumina Trihydrate- 10  
Kaolin - 2  
Silica- 10

Hazardous Ingredients: Kaolin Clay (nuisance dust) CAS reg. No. 1332-58-7  
Quartz CAS Reg. No. 14808-60-7

Hazard: Inhalation

SARA Title III Section 313 Ingredients: NONE

**III. Physical Data**

Appearance : White to tan powder  
Density : 2.61 +/- .05  
Boiling Point : N/A  
Solubility in water: Insoluble  
Vapor Pressure: N/A  
Vapor Density: N/A  
Percent Volatiles: 0

**IV. Fire and Explosion Hazard Data**

Product represents no flammability hazard

**V. Reactivity Data**

Not Reactive

## **VI. Health Hazard Data**

Routes of Entry:      Inhalation: Yes              Skin: No              Ingestion: Yes

### Acute effects:

Skin Absorption :              None  
Eyes:    May cause mechanical irritation  
Inhalation:    Airborne inhalation of dust may cause coughing,  
shortness of breath or general irritation.  
-Prolong exposure to respirable quartz may lead to delayed chronic  
lung injury (silicosis), a form of disabling pulmonary fibrosis.

Carcinogenicity:              YES.    The NTP concluded that silica may be anticipated to be a  
carcinogen.

### Signs and Symptoms of Exposure:

Eye contact: red or watering eyes  
Inhalation: coughing or wheezing

### Emergency and First aid Procedures:

For material in eyes, flush with water and consult a physician  
Inhalation:    Remove person to fresh air as soon as possible

## **VII. Precautions for safe Handling**

small spills:    Scoop up spill with sponge or damp mop and transfer to a sealable  
                         container  
Disposal        :    waste must be disposed of in accordance with local and state agencies.

## **VIII. Control Measures**

Respiratory Protection: Use NIOSH/MSHA approved dust mask  
Ventilation                : Provide sufficient ventilation to maintain dust concentration  
   below ACGIH levels  
Eye protection            : Wear eye protection whenever airborne nuisance dust is present

Prepared by David Cramer  
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