

# MATERIAL SAFETY DATA SHEET

## PLATINITE

### Investment Powder

#### 1 - IDENTIFICATION

**Manufacturer:** KerrLab  
**Address:** 1717 West Collins Avenue  
**City, State, Zip:** Orange, CA 92867  
**Telephone:** 1-800-KERR-123  
**Emergency:** Chemtrec 1-800-424-9300  
International 1-703-527-3887  
**Date Prepared:** September 6, 2005

#### 2 - COMPOSITION INFORMATION

##### Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Quartz (Crystalline Silica)	14808-60-7	1.0mg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	95 - 100

#### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** N/A  
**Specific Gravity (H<sub>2</sub>O = 1):** 2.65  
**Vapor Pressure (mm Hg):** Zero  
**Melting Point:** N/A  
**Vapor Density (AIR = 1):** N/A  
**Solubility in Water:** Insoluble  
**Reactivity in Water:** N/A  
**Appearance and Odor:** Off-white, odorless powder

#### 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** N/A  
**Flammable Limits:** LEL: N/A UEL: N/A  
**Extinguishing Media:** N/A  
**Special Fire Fighting Procedures:** N/A  
**Unusual Fire and Explosion Hazards:** N/A

#### 5 - REACTIVITY DATA

**Stability:** Stable  
**Conditions to Avoid:** None  
**Incompatibility (Material to Avoid):** Hydrofluoric acid, in which silica will dissolve and produce the corrosive gas, silicon tetrafluoride  
**Hazardous Decomposition Products:** N/A  
**Hazardous Polymerization:** Will not occur

#### 6 - HEALTH HAZARD DATA

**Routes of Entry:**  
**Skin:** May cause dry feeling on skin.  
**Eyes:** May cause irritation.  
**Inhalation:** Prolonged exposure to respirable crystalline silica may cause chronic lung injury (silicosis). Acute developing silicosis may occur in a short time in heavy exposure. Silicosis is a form of disabling pulmonary fibrosis which can be progressive and may lead to death. The International Agency for Research on Cancer (IARC) reports sufficient evidence of the carcinogenicity of crystalline silica to humans. IARC Group 1. Kerr Manufacturing Company accepts no responsibility and disclaims all liability for harmful health effects. Customers must comply with all applicable health and safety regulations relating to the safe handling of our silica containing products.  
**Ingestion:** Hardens when wetted and if ingested may result in an obstruction.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** Yes OSHA Regulated Carcinogen: Yes

#### 7 - EMERGENCY FIRST AID PROCEDURES

**Skin:** Wash with soap and water. Use hand lotion.  
**Eyes:** Wash eyes immediately with large amounts of water, lifting lower and upper lids occasionally. If irritation persists, get medical attention.  
**Inhalation:** Move exposed person to fresh air at once.  
**Ingestion:** Consult physician

#### 8 - PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** Ventilate area of spill or release. Vacuum or sweep up - avoid unnecessary stirring or handling in order to prevent formation of dust.  
**Waste Disposal Method:** Landfill  
**Precautions to be taken in handling and storing:** Do not breathe dust. Keep container closed. Use according to directions.

#### 9 - CONTROL MEASURES

**Respiratory Protection (Specify Type):** Use NIOSH-approved equipment. Also see ANSI Standard Z88.2-1980, "Practices for Respiratory Protection".  
**VENTILATION:**  
**Local Exhaust:** Use sufficient local exhaust to reduce the level of respirable crystalline silica to the PEL.  
**Mechanical (General):** May be sufficient  
**Protective Gloves:** Gloves optional  
**Eye Protection:** Eye goggles  
**Work/Hygiene Practices:** Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure.

#### 10 - TRANSPORTATION INFORMATION

Not DOT regulated.

#### 11 - SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System) Rating:**  
H3 F0 R0  
[HMIS Index: 4 - Severe Hazard; 3 - Serious Hazard;  
2 - Moderate Hazard; 1 - Slight Hazard; 0 - Minimum Hazard]

**State RTK: California Proposition 65 WARNING:** This product contains crystalline silica, a chemical known to the State of California to cause cancer.

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information in this MSDS is, to the best of our knowledge, believed to be accurate.