

Safety Data Sheet – Laterite

Section 1: Product and Company Identification

Product Identifier: Laterite

Product Names: Laterite

Product uses: various industrial uses

Manufacturer:

Industrial Mineral Company
7268 Frasinetti Road
Sacramento, California 95828

Emergency Telephone Number: 916-383-2811

Telephone Number for Information: 916-383-2811

Section 2: Hazards Identification



Respiratory Sensitizer



Irritant (skin and eye)

Skin Sensitizer

Respiratory Tract Irritant

OSHA/HCS status: This naturally occurring clay is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance of mixture: OSHA –Carcinogenicity (inhalation) - Category 1A and Specific organ toxicity (Repeated Exposure) (Respiratory tract through inhalation) – Category 1

Exposure limits for Crystalline Silica: The current American Conference of Government Industrial Hygienist Threshold limit value for crystalline silica is: 0.025 mg/m³

Signal Word: Danger

Hazard Statement: Cancer Hazard. Contains quartz (crystalline silica) which may cause cancer. Risk of cancer depends upon duration and level of exposure to the dust. Not an acute hazard. Prolonged inhalation of dust may cause lung injury. Inhalation of high concentrations of dust may cause mechanical irritation and discomfort of the respiratory tract. Repeated exposure may have chronic effects. Can cause skin, respiratory, and eye irritation.

Precautionary Statement: Wear protective gloves, eye, and respiratory protection. Avoid breathing dust.

Section 3: Composition Information

Chemical Name	Common Name	CAS Number	%
Quartz (Silica)	SiO ₂	14808-60-7	<3
Kaolinite	Al ₂ Si ₂ O ₅ (OH) ₄	1318-74-7	>75
Anatase	TiO ₂	1317-70-0	<3
Hematite	Fe ₂ O ₃	1317-60-8	20

Section 4: First-Aid Measures

Safety Data Sheet – Laterite



Eye Contact: If eye contact occurs, rinse immediately with plenty of water. If irritation persists, seek medical attention

Skin Contact: Wash thoroughly with water. If irritation persists, seek medical attention

Inhalation: Move victim to fresh air in well ventilated area. If coughing or irritation persists, seek medical attention

Ingestion: Consult physician and/or obtain competent medical assistance

Section 5 Fire Fighting Measures

General Fire Hazards: Not flammable

Extinguishing Media: Use appropriate extinguishing media for surrounding fire

Special Fire Fighting Procedure: None

Section 6: Accidental Release Measures

Clean-up Methods: When dust is generated it may over expose cleanup personnel to dust. Using respirators or wetting the material is recommended. When dry sweeping use NIOSH approved respirators when dust levels exceed exposure limits

Personal Precautions and Personal Protective Equipment: Wear appropriate protective equipment and clothing during clean-up. If dusty conditions exist use approved respirators.

Environmental Precautions: Material is a natural mineral product and will not cause adverse effects to the water system other than turbidity from suspended particles.

Section 7: Handling and Storage

Handling Procedures: Wear the appropriate eye protection and avoid dust contact with eyes. Minimize dust generation and accumulation. Wear the appropriate respiratory protection when in poorly ventilated areas. Use good industrial hygiene practices.

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits:

Silica component limit

CAL OSHA PEL: TWA 0.05 mg/m³ (respirable)

ACGIH TLV: TWA 0.025 mg/m³ (respirable)

NIOSH REL: TWA 0.05 mg/m³ (respirable)

Engineering Measures: Use local exhaust ventilation to control exposure below applicable limits

Personal Protective Equipment (PPE):

Respiratory: Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used. Respirator and/or filter cartridge selection should be based on the ANSI Standard Z88.2.

Eyes: When working around activities where dust can contact the eyes, wear safety glasses or goggles to avoid eye irritation or injury. Wearing contacts without sealing goggles is not recommended.

Skin and Body: Protective Clothing is not essential

Section 9: Physical and Chemical Properties

Safety Data Sheet – Laterite



Appearance: Red Physical state: Powder pH: No data available Melting/Freezing Point: no data available Evaporation Rate: NA Vapor Pressure (mm HG): 0 (approximately) Relative density: NA Solubility in water at 100 C: 0 (approximately) Decomposition temperature: no data available Viscosity: NA	Odor: none Odor threshold: No data Available Flashpoint: NA Boiling Point: NA Flammability: Not Flammable Vapor Density: NA Specific Gravity: No data available Partition coefficient: No data available Auto-ignition temperature: NA
--	---

Section 10: Stability and Reactivity

Reactivity: No dangerous reactions are known under normal conditions of use

Chemical Stability: Stable

Possibility of Hazardous Reactions and Conditions to Avoid: None known

Incompatibility: None Known

Section 11: Toxicological Information

Possible Health Effects:

Target Organs: Skin, Eyes, and Respiratory system

Exposure Routes: Inhalation, skin or eye contact

Symptoms:

Short Term: Shortness of breath and/or coughing associated with dust inhalation.

Long Term: Steady and prolonged exposure to dust concentrations high than LTV without approved respirator could cause silicosis, a chronic disease of the lungs marked by acute fibrosis, may cause cancer based on animal data.

Warning: This product contains respirable sized crystalline silica, a chemical known to the state of California to cause Cancer. Compliance with all warnings concerning this material is required.

Section 12: Ecological Information

This material is not expected to be harmful to aquatic life

Section 13: Disposal Considerations

From a waste perspective, this product is not considered hazardous and may be disposed of as a solid waste in accordance with applicable federal, state, and local regulations.

Section 14: Transport Information


Not regulated as a hazardous material by DOT

Section 15 Regulatory Information

Safety Data Sheet – Laterite



TSCA – Toxic Substances Control Act – EPA Quartz and other chemicals are listed in the TSCA Chemical Substance Inventory

 **WARNING:** This product can expose you to chemicals including Titanium Dioxide and crystalline silica, which are 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

Revisions: Existing MSDS revised to new GHS format. Revision Date 04/25/2018

Added new prop 65 language 7/30/18

Updated silica exposure limits 3/29/19