



# Material Safety Data Sheet (MSDS) Of Cement Clinker

## Section 1: Product Information

Product Name: Cement Clinker  
Chemical Formula: Variable  
CAS Number: Not applicable (Cement Clinker is a mixture)

## Section 2: Hazard Identification

Classification: Not classified as hazardous.  
Signal Word: None  
Hazard Statements: None

## Section 3: Composition/Information on Ingredients

Chemical Name: Cement Clinker  
Concentration: Variable (Contains mainly clinker minerals such as alite, belite, tricalcium aluminate, and tetracalcium aluminoferrite)

## Section 4: First Aid Measures

Eye Contact: Rinse with water for at least 15 minutes. Seek medical attention if irritation persists.  
Skin Contact: Wash affected areas with soap and water. If irritation occurs, seek medical attention.  
Inhalation: Remove to fresh air. Seek medical attention if respiratory irritation occurs.  
Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention.

## Section 5: Fire-fighting Measures

Suitable Extinguishing Media: Water spray, foam, dry chemical, carbon dioxide.  
Specific Hazards: Non-combustible. May release oxides of carbon and sulfur under fire conditions.  
Special Protective Equipment: Use self-contained breathing apparatus and protective clothing.

## Section 6: Accidental Release Measures

Personal Precautions: Wear appropriate protective equipment. Avoid inhalation and skin contact.  
Environmental Precautions: Prevent entry into waterways. Inform relevant authorities if the product causes environmental pollution.



### **Section 7: Handling and Storage**

Handling: Avoid dust formation. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.  
Storage: Store in a cool, dry place. Protect from moisture. Keep containers tightly closed.

### **Section 8: Exposure Controls/Personal Protection**

Exposure Limits: Not established for cement clinker.  
Engineering Controls: Use local exhaust ventilation to control airborne dust.  
Personal Protective Equipment: Wear appropriate protective clothing, gloves, and eye/face protection.

### **Section 9: Physical and Chemical Properties**

Physical State: Solid  
Color: Gray to black  
Odor: Odorless  
Melting Point: Not applicable  
Solubility in Water: Insoluble

### **Section 10: Stability and Reactivity**

Stability: Stable under normal conditions.  
Incompatibility: Avoid contact with strong acids and bases.  
Hazardous Decomposition Products: None under normal conditions.

### **Section 11: Toxicological Information**

Acute Toxicity: Low toxicity. No specific data available.  
Skin Irritation: Non-irritating.  
Eye Irritation: Non-irritating.

### **Section 12: Ecological Information**

Ecotoxicity: Not expected to be harmful to aquatic life.

### **Section 13: Disposal Considerations**

Dispose of in accordance with local, regional, and national regulations.



### **Section 15: Regulatory Information**

Follow all applicable regulations and guidelines.

### **Section 16: Other Information**

This MSDS is intended to provide a summary of key information. It is not a comprehensive document. For detailed information, refer to the product label and technical data sheet