

# Material Safety Data Sheet

## Product Identification and Chemical Data

Product Name: Concrete. Concrete is a mixture of Portland cement, concrete aggregate, water, and chemical admixtures.

Portland Cement:

3 CaO     SiO<sub>2</sub>  
2 CaO     SiO<sub>2</sub>  
3 CaO     AL<sub>2</sub>O<sub>3</sub>  
4 CaO     AL<sub>2</sub>O<sub>3</sub>Fe<sub>2</sub>O<sub>3</sub>  
Plus traces of CaO, MgO and SO<sub>3</sub>

Common or Trade Name: Concrete

---

## Health Hazards and First Aid

Type of Hazard: Caustic

Symptoms of Exposures: Irritation of skin. Burning sensation when exposure is in an area of abrasion or irritation.

Effects of Exposures: Wet, plastic, unhardened concrete can dry skin and cause cement poisoning and burns.

Emergency First Aid: Flush eyes with water, wash exposed skin areas with soap and water. If irritation persists, consult with a physician.

---

## Fire, Explosion and Reactivity Data

Flash Point: N/A

Extinguishing Media: N/A

Conditions to Avoid: N/A

Hazardous Polymerization: Will not occur

Flammable Limit: Fer: N/A

Cel: N/A

Stability: Product sets in 2 to 8 hours and is no longer hazardous

Incompatibility: None

---

## Handling & Disposal

Handling Methods: Avoid direct contact with skin. Use protective clothing.

Disposal: Hardened concrete may be disposed of or recycled in accordance with state and federal laws.

---

## Physical Properties

Color: Gray

Flame Point: N/A

Percent Volatile: N/A

Solubility in Water: (0.1 – 1.0%)

Boiling Point: N/A

Vapor Pressure: N/A

Vapor Density: N/A