

**MATERIAL SAFETY DATA SHEET (MSDS)
FOR PORTLAND CEMENT**

**(Complies with OSHA and MSHA Communication Standards,
29 CFR 1910.1200 and 30 CFR Part 47)**

**Sunshine Cement Inc.
2321 West Washington, Suite I
Stockton, California 95203**

Section 1 – IDENTIFICATION

Supplier

Sunshine Cement, Inc.
2321 West Washington
Suite I
Stockton, California 95203

Emergency Contact Information

(209) 467-8325

Chemical name and synonyms

Portland Cement (CAS #65997-15-1)

Product name

Sunshine Cement Type I/II
Sunshine Cement Type III
Sunshine Cement Type II/V
Sunshine Cement Type V

Chemical family

Calcium salts.

Formula

3CaO.SiO ₂	(CAS#12168-85-3)
2CaO.SiO ₂	(CAS#10034-77-2)
3CaO.Al ₂ O ₃	(CAS#12042-78-3)
4CaO..Al ₂ O ₃ Fe ₂ O ₃	(CAS#12068-35-8)

Small amounts of MgO and trace amounts of K₂SO₄
Na₂SO₄ may also be present.

Section 2 - COMPONENTS

Hazardous Ingredients

Portland cement clinker (CAS#65997-15-1) – approximately – 93.5-96.0% by weight

ACGIH TLV-TWA (2000) = 10 mg total dust/m³

OSHA PEL (8 hour TWA) = 50 million particles/ft³

Gypsum (CAS#7778-18-9) – approximately – 4.0-6.5% by weight

ACGIH TLV-TWA (2000) = 10 mg total dust/m³

OSHA PEL (8-hour TWA) = 15 mg total dust/m³

OSHA PEL (8-hour TWA) = 5 mg respirable dust/m³

Respirable quartz (CAS#14808-60-7) – greater than 0.1% by weight

ACGIH TLV-TWA (2000) = 0.05 mg respirable quartz dust/m³

OSHA PEL (8-hour TWA) = (10 mg respirable dust/m³)/(percent silica + 2)

Trace Ingredients

Trace amounts of naturally occurring chemicals might be detected during chemical analysis. Trace constituents may include up to 0.75% insoluble residue, some of which may be free crystalline silica, calcium oxide (also known as lime or quick lime), magnesium oxide, potassium sulfate, chromium compounds, and nickel compounds.