

MATERIAL SAFETY DATA SHEET

ORTHO CEMENT POWDER

1 - IDENTIFICATION

Manufacturer: Ormco Corporation
Address: 1717 West Collins Avenue
City, State, Zip: Orange, CA 92867
Telephone: 1-800-854-1741
Emergency: Chemtrec 1-800-424-9300
Date Prepared: February 22, 2006

2 - COMPOSITION INFORMATION

Hazardous Ingredients

	CAS #	PEL	TLV	%
Zinc Oxide	1314-13-2	10 mg/m ³	10 mg/m ³	80-90
Amorphous Silica	112926-00-8	5 mg/m ³	10 mg/m ³	1-5

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/D
Specific Gravity (H₂O = 1): N/D
Vapor Pressure (mm Hg): N/D
Vapor Density (AIR = 1): N/D
Freezing/Melting Point: N/D
Solubility in Water: Soluble
Appearance and Odor: Finely divided, 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: None
Unusual Fire and Explosion Hazards: None

5 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: N/A
Incompatibility (Material to Avoid): Strong caustics, metals, sulfides and sulfites
Hazardous Decomposition Byproducts: N/A
Hazardous Polymerization: Will not occur

6 - HEALTH HAZARD DATA

Routes of Entry:
Skin: Particles may cause irritation.
Eyes: Particles may cause irritation.
Inhalation: Large amounts of this nuisance dust may cause coughing, sneezing, and nasal irritation.
Ingestion: If ingested, may result in an obstruction.
Carcinogenicity: - **NTP:** No
IARC Monographs: No **OSHA Regulated Carcinogen:** No

7 - EMERGENCY FIRST AID PROCEDURES

Skin: Wash thoroughly with soap and water. Use hand cream.
Eyes: Flush with water for 15 minutes including under eyelids. Get medical attention.
Inhalation: Remove to fresh air. Get medical attention if discomfort persists.
Ingestion: Seek medical attention

8 - PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case material is released or spilled: Sweep up and place in normal waste container.
Waste Disposal Method: Dispose along with normal solid waste
Precautions to be taken in Handling and Storing: Store at normal room temperature
Other Precautions: Use according to directions. Avoid prolonged contact

9 - CONTROL MEASURES

Respiratory Protection: N/A
VENTILATION:
Local Exhaust: N/A
Mechanical (General): N/A
Protective Gloves: Wear impervious rubber gloves to prevent skin contact
Eye Protection: Safety glasses or goggles
Work/Hygiene Practices: Handle in accordance with good personal hygiene and safety practices. These practices include avoiding unnecessary exposure to uncured material. Avoid contamination of food.

10 - TRANSPORTATION INFORMATION

Not DOT regulated

11 - SPECIAL INFORMATION

HMS (Hazardous Material Identification System) Rating:
H1 F0 R0 PPE-Gloves and safety glasses
[HMS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard;
2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]

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 contained in this MSDS is, to the best of our knowledge, believed to be accurate.