



OLDCASTLE MMG, INC.

MSDS HIGHLIGHT - CONCRETE

- 1. Identity:** Freshly mixed unhardened portland cement concrete.
- 2. Manufacturer's Name:** Various suppliers.
- 3. Hazardous Ingredients:** CAS#12168-85-3, traces C_aO , M_gO , K_2 , SO_4 . Other ingredients inert gravel, sand, rocks.
- 4. Physical/Chemical Characteristics:** Gray, flowable, muddy. odorless.
- 5. Fire and Explosion Hazard Data:** None.
- 6. Reactivity Data:** Stable - Product hardens in 2 to 8 hours and is no longer considered dangerous.
- 7. Health Hazard Data:** This product may contain crystalline silica, as do virtually all other sand and stone products. Prolonged or repeated inhalation of crystalline silica can cause scarring of the lungs or a progressive lung disease called silicosis. The symptoms include coughing, difficulty breathing, wheezing and impairment of pulmonary function. The symptoms of silicosis tend to worsen with continued exposure to dust containing free silica, with advancing age and with cigarette smoking. NOTE: IARC has classified crystalline silica as a Group 2A potential human carcinogen and considers it to be carcinogenic in certain experimental animals. The carcinogenicity of crystalline silica to humans is neither certain nor proven; IARC concluded that there is insufficient evidence to consider silica to be carcinogenic in humans. Either silicosis or lung cancer may lead to permanent injury or loss of life.

Medical Conditions Generally Aggravated by Exposure: None known.

Emergency and First Aid Procedures: Irrigate eyes with water. Wash exposed areas of the body with soap and water.

8. **Precautions for safe handling and Use:** Use creams, gloves, boots, etc., to keep wet concrete off your skin. Concrete can cause chemical burns. Wear protective clothing if splashing while placing wet concrete. Keep wet concrete off your skin. Wear goggles if splashing occurs near your face. Cutting, grinding, scarifying of hardened concrete can cause silica laden dusting. Prevent dust exposure by wetting concrete or wear a respirator.

9. **Control Measures:** Eye and skin protection. See above.

10. **Notice and Warning:** The international Association for Research on Cancer (IARC) has listed Crystalline Silica as a probable carcinogen. Testing on laboratory animals subject to crystalline silica has been evaluated as probable cancer causing. There is no testing results for humans. We deliver freshly mixed concrete (unhardened). Crystalline Silica is only harmful in an airborne dust state; therefore, if you saw, grind or fracture hardened concrete, you may have an exposure to crystalline silica.