
April, 2003

SIP-TIP: CONCRETE PLACEMENT

1. Concrete is a mixture of small and large aggregate bonded together with cement. There are also a variety of admixtures used to improve or change the mix for special applications. An alkaline chemical called **CALCIUM HYDROXIDE** is produced, **WHICH WILL BURN YOUR SKIN IN ADDITION TO THE CHEMICAL HAZARD, YOU SHOULD BE AWARE OF ANY ADDITIONAL CHEMICALS IN THE MIX AND UNDERSTAND THEIR DANGERS.**

2. Follow these safety rules when working with concrete:

Wear a hard hat, safety glasses or goggles, long pants, a shirt with long sleeves, and chemical-resistant gloves. **CONCRETE BURNS ARE ALWAYS DANGEROUS AND REQUIRE THE SAME IMMEDIATE TREATMENT AS OTHER BURNS.**

Immediately after working with concrete, wash yourself with water.

At approximately two tons per cubic yard, the weight of concrete can be dangerous.

When positioning loaded concrete trucks, be alert for underground structures, loosely backfilled areas and excavation banks.

When using a crane and bucket, always make a TEST LIFT to determine the load at the maximum reach.

When placing concrete on suspended form work, avoid off balance and impact loading.

Good lifting techniques are important when wheeling concrete to avoid injuries.

Never get underneath or ride on a concrete bucket.

Stay clear of tight locations where a swing bucket could fall.

Make sure that all tools and cords are properly grounded.

When using a crane and bucket or pump truck, be alert for overhead obstructions.

When unfolding or adding truck chutes, keep your feet clear of hinged sections. This will prevent injury.

Notify your supervisor **IMMEDIATELY** if you notice shifting or movement of formwork.

REMINDER - CONCRETE BURNS ARE PAINFUL - WEAR PROPER CLOTHING.