**HEALTH HAZARD**

The routes of exposure include dermal, inhalation, eye, ingestion, and systemic toxicity. This inorganic acid is highly corrosive because the fluoride ion readily penetrates the skin causing destruction of deep tissue layers including skeletal structures. Pain associated with a dermal exposure to HF solutions (1-50%) may be delayed for 1-24 hours. Onset of signs and symptoms depends on the concentration, duration of exposure, and penetrability of the exposed tissue. Pain may be delayed. Poisoning can be life-threatening. *If you are concerned about possible exposures to hydrofluoric acid, please contact OSHP for a risk assessment before using this chemical.*

**EMERGENCY AND SPILL RESPONSE**

Leave the immediate area with all other personnel and do not reenter unless advised by the OSHP emergency responder. Contact Occupational Safety and Health Emergency Response at 843-792-3604 for immediate chemical spill cleanup. If exposed to HF, seek immediate medical attention by calling 911.

**HELPFUL RESOURCES**

- [CDC Hydrofluoric Acid Fact Sheet](#)
- [WISER National Library of Medicine: Hydrogen Fluoride Substance Information](#)