| **HYDROFLUORIC (HF) ACID** |
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| **Globally Harmonized System pictogram Indicating a chemical is an Acute Toxic, capable of causing serious adverse health effects (i.e. lethality) after a single or short-term oral, dermal, or inhalation exposure to a substance or mixture.** | **DANGER** | **Globally Harmonized System pictogram Indicating a chemical is corrisive to metals or is capable of causing visible destruction of the skin, eyes, or the lining of the respiratory tract or the gastrointestinal tract on contact** |
| Fatal if swallowed, contact with skin, or inhaled.Causes severe skin burns and eye damage. |
| **\*\*\*\*ANY EXPOSURE TO HF ACID MUST BE MEDICALLY EVALUATED\*\*\*\***Call WSU police 313-577-2222 to aid with seeking immediate medical attention. |
| **Eye contact:** Promptly flush eyes with copious amounts of water using an eyewash station for 15 minutes. If applicable, after washing hands remove contact lenses while flushing with water. |
| **Skin contact:** IMMEDIATELY flush all affected areas with water for 5 -10 minutes using the nearest sink or safety shower Remove all contaminated clothing. **While wearing two pairs of neoprene or nitrile gloves,** massage 2.5% calcium gluconate gel into the affected area. Re-apply every 15 minutes until medical help arrives.  |
| **Inhalation**: Move injured person to fresh air. If not breathing, while wearing PPE, provide **chest compressions ONLY. Do not provide mouth-to-mouth artificial respiration.** |
| **Ingestion**: **Do not induce vomiting.** Attempt to immediately administrate a fluoride binding substance such as milk (1/2 to 1 glass-full) or chewable calcium carbonate tablets (e.g. 12 TUMS(R) tablets, 200 mg each). **Never give anything by mouth to an unconscious person.**  |
| HF acid first aid kit location: Expiration date of 2.5% calcium gluconate gel:  |
| HF acid spill response: **DO NOT CLEAN** HF spills or releases:* impacting the environment (via the storm drain, soil, or air outside the building)
* noticeably fuming
* with concentrated HF (any volume with concentrations >5%)
* with spilled volume > 2 mL
* spills in poorly ventilated areas or due to additional hazard concerns

Evacuate the spill area and Call WSU Police (313) 577-2222.**Laboratory personnel should only clean** small HF spills (<2 ml) of dilute HF (≤ 5% HF), using HF acid specific spill kit and PPE.HF acid spill kit location:  |

**Questions? Contact OEHS: 313-577-1200 or WSU Chemical Hygiene Officer: 313-993-6614**