

APPENDIX 5-A

Cole Science Center First Aid Treatment for Hydrofluoric Acid Exposure

For all exposures have someone **call Campus Police immediately** and inform them that someone has been exposed to HF and needs to be taken **to the emergency room for treatment**. An ambulance should be called for transportation in the case of, inhalation or ingestion, skin contact with concentrated acid, or skin contact with dilute acid in excess of 20 square inches. Smaller areas of skin contact with dilute acid do not require an emergency if calcium gluconate gel is being used and transportation to the emergency room can be provided by Campus Police.

Skin Burns

Flush with cool water for at least 5 minutes.

Apply 2.5% Calcium Gluconate gel as soon as rinsing is stopped. Massage gel into burn site continuously until medical treatment is received.

Eye Contact

Flush eyes for at least 15 minutes, holding eyelids open to allow flushing of the eyes. Ice water compresses should be applied to the eyes during transport to the emergency room.

Inhalation

Remove to fresh air. Oxygen should be administered by ambulance personnel during transport to the emergency room.

Ingestion

Drink large amounts of water immediately. Do not induce vomiting. If available, milk, maalox or mylanta may be given during transport to the emergency room.

If possible take the publication “Recommended Medical Treatment for Hydrofluoric Acid Exposure” and the concentration of the acid involved to the emergency room with you.