

Laboratory/work area: **Wet laboratory**

Activity: Pore etching



## Hydrochloric Acid

(Concentration 10-25%)  
Aggregation state: liquid; color:  
colorless to yellowish  
smell: stinging

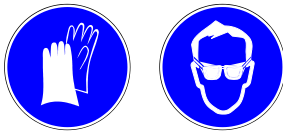
### Dangerous for humans and environment

- Avoid any contact with the eyes and skin.
- Do not inhale.
- Protect against heat.
- Do not store together with sodium hypo chlorite solutions.

### Safeguard and directives



- Keep away from food and beverages.
- Remove immediately all contaminated clothes
- Wash your hands before and after the work.
- Work under a good ventilation/exhaust.
- Never rise to the edge of bath. If a part is fallen in the bath, use auxiliary tools.



**Respiration protection:** Use breath filtering equipment. Filter B, circulating air-independent respirator.

**Hands protection:** Use rubber protective gloves.

**Skin protection:** Use protective crème.

**Eyes protection:** Use closely closed protection glasses.

**Body protection:** Use easy protection equipment.

☎ Fire department 0 / 112

**Behavior in the case of danger**

☎ Emergency 0 / 19222



**In case of fire:** Use water, spray water. The product does not burn. Hydrogen is delivered by reaction with metals.

### First assistance

**First assistant: (J. Bahr, Tel.: 6183):**



**Skin contact:** Wash immediately with water and soap and rinse well after that.

**Eye contact:** Rinse for several minutes the eyes with the eyelid open under flowing water, consult a doctor.

**Swallowing:** Drink much water and provide for fresh air. Consult immediately a doctor.

**Inhalation:** In case of unconsciousness transport in the patient in a stable recovery position. Provide for fresh air and medical assistance.

### Adequate disposal

Dispose remainders and empty bundles as special refuse (contact: Kai Rath).

Signature of the responsible person: