

Laboratory/work area: **Wet laboratory**

Activity: **Pore etching**



## Hydrochloric acid

(concentration > 25 %)  
Aggregation state: liquid;  
color: colorless to yellowish  
smell: stinging

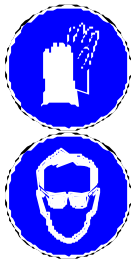
### Dangerous for humans and environment

- ? 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.



**Respiration protection:** Use breathing filter equipment.  
Filter B, circulating air-independent respirator.

**Hands protection:** Use rubber protective gloves (Ultranitril 492).

**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 for spraying. 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 the eyes with the eyelid open several minutes 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 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:

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