

Laboratory/work area: **Wet laboratory**

Activity: **Pore Etching**



Ethanol

(Ethyl alcohol 96 %, denatured alcohol)

Dangerous for humans and environment

- Light inflammable.
- Steams and nebulas can form combustibile mixtures with air.
- Inflammation possible from hot surfaces, sparks and open flames.
- Affects the skin in a stimulating manner.
- Inhalation of high steam concentrations shows similar effects as drinking alcohol.
- Alcohol absorpition shows increased effects in the presence of solvent steams.

Safeguard and directives

- Turn on the extraction system before beginning the work.
- Use only with a good ventilation.
- Containers keep closely locked.
- Store in grounded, dry, cool and ventilated places.
- Keep away any possible ignition sources.
- Avoid skin contact.
- Do not inhale steams and nebulas.
- Do not eat, drink or smoke in the working area.
- Do not store food in the working area.



Eyes protection: Use eyes protectors
Hands protection: Use PVC protection gloves
Skin protection: Use protective crèmes before starting the work.



Fire department 0 /112

Behaviour in the case of danger

 Emergency 0 / 19222



In case of leakage: wash out with much water.
In case of fire: Cool the containers with spray water (Burst danger!).
Extinguishing agents: Water nebulous, foam, carbon dioxide, dry fire extinguishing agent.

First assistance

First assiatnt: (Jörg Bahr, Tel.: 6183):



Skin contact: Wash off with much water
Eyes contact: Rinse 10 minutes with much water with open eyelids.
Inhalation: Fresh air;
Clothes contact: Remove moistened clothes.



Adequate disposal

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

Signature of the responsible person: