

Laboratory/work area: **Wet laboratory**

Activity: **Pore etching**



Butane gas cartouche

(n-Butane)

Dangerous for humans and environment

Inhalation can lead to health damage. Temporary complains (tiredness, nausea, swindle) are possible. Can cause also heart damage. Butane can lead to the displacement of the atmospheric oxygen. In small rooms danger of suffocation can appear. Avoid the penetration of butane in soil, water and drains!

Safeguard and directives

- Work in the presence of fresh air, especially near the ground! In case of steams, work under an extraction system!
- Keep it away from any ignition sources!
- Do not smoke!
- No open flames!
- Creeping steams can lead to inflammation even at larger distances!
- Avoid impacts and friction!
- Avoid contacts with eyes and skin!
- Clean thoroughly your hands after the work and before each break!
- Use skin care means.
- Consider activity restrictions!

	Hand protection:	Use safety gloves Ultranitрил 492	
	Body protection:	Use antistatic clothing, e.g. clothes from cotton (laboratory smock).	

Fire department 0 / 112

Behavior in the case of danger

Emergency 0 / 19222



In case of fire: Use suitable fire extinguishing agents, carbon dioxide, powders and water. Do not extinct the fire, before the leakage is not closed, since the danger of the emergence of a combustibile mixture exists! Cool surrounding containers with spray water!
Bursts and danger of explosion with heating!
Bring leaky outlets/bottles in a open environment and empty them carefully under supervision!

First assistance

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

	After eye contact:	Rinse 10 minutes under flowing water with the eyelid open. Consult an oculist!
	After inhalation:	Fresh air! In case of unconsciousness keep free the respiratory system, find a stably recovery position, supervise the respiration and pulse of the patient; In case of breath or heart stop: perform artificial respiration and cardiac massage.

Adequate disposal

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

Signature of the responsible person:
