

Laboratory/work area: **Wet laboratory**

Activity: **Pore etching**



Processing of solvent based epoxy resin products

Model pastes, castables, smoothing cements based on epoxy resin (resin component and hardener component; Amin based Harders). With hardeners based Diaminodiphenylmethan: Labeling "poisonous", Diaminodiphenylmethan can produce cancer!

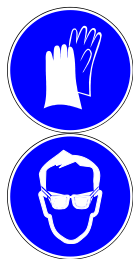


Dangerous for humans and environment

- Inhalation, swallowing (meal, drinking, smoking with dirty hands) or adsorption by the skin can lead to health damages.
- Provoke the respiratory system, eyes, skin; direct contact can cause burns, i.e. can destroy the skin and mucous membranes, for example of the eyes.
- Can cause dizziness and headache and lead to allergies. Durable damage possible.
- Water-endangering - avoid penetration in soil, water, drains etc.

Preventive measures and behavior rules

- Avoid the contact with eyes, skin and clothes.
- At the end of work and before breaks clean thoroughly your hands, forearms and face with suitable cleaning agent. Do not use solvents!
- At the end of work use skin care agents.
- Keep away from ignition sources, do not smoke, no open flames.
- Work only with supply of fresh air, in case of steams work only under an extraction system.
- Avoid spraying at filling and mixing the components.
- After hardener addition, process quickly because of possible heating. Do not let open the containers.
- Creeping steams are able to lead to inflammation even at larger distance.
- Do not put the components on hot surfaces.
- Avoid impact and friction, use only explosion-proof and spark-free tools.



Eye protection: Eye protectors. At spraying danger use totally closed protective glasses.

Breathing protection: Gas filter a2 (brown) with upstream particle filter P2.

Hand protection: At temporary contacts use gloves from nitrile or butyl rubber. For all uncovered parts of the body use grease-free or skimmed skin protection means (oil in water emulsion).

Body protection: For example plastic apron, face protection.



📞 Fire department 0 / 112 Behavior in the case of danger

📞 Emergency 0 / 19222

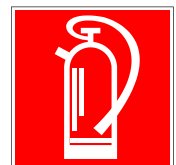


Fire extinguishing agent: Carbon dioxide, fire-ex. powder or spume.

Fire fighting/ damage removal: Personal protection equipment

- The products are inflammable and develop dangerous steams!
- In case of fire extinguish it in a neighborhood container with spray water.

After spillage/leakage absorb and dispose with an absorbent material which is flame resistant (for example diatomaceous earth, sand).



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



Eye contact: Rinse for 10 minutes with water or eye rinsing solution.

Skin contact: Clean with much water and soap. No solvents! After the burn rinse 15 minutes with much water.

Clothe contact: Take off immediately contaminated clothes.

Inhalation: Fresh air! In case of unconsciousness take the recovery position. Control the respiration and pulse. Keep free the respiratory system, remove artificial dentures, eliminate vomited substances. In case of breath or heart stops: immediately do artificial respiration and cardiac massage.

In case of swallowing: Do not cause vomiting. If the person involved is unconsciousness give him water in small sips. No household remedies.

Adequate disposal

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

Signature of the responsible person:
