

Laboratory/work area: **Wet laboratory**

Activity: **Pore etching**



## Nitric Acid , 5-20%

### Dangerous for humans and environment

Swallowing can lead to health damage. Causes burns. Durable damage possible for eyes, skin, mucous membrane and teeth. Reacts with caustic solutions and water with strong thermal effects, spraying danger! By diluting pour the acid into water and not vice versa. With different metals forms explosion-dangerous and poisonous steams. Avoid penetration in soil, watercourses and canalization.

### Safeguard and directives

Work with a permanent fresh air supply! Do not leave the containers open! Avoid spraying when pouring. Avoid any contact with eyes, skin and clothes! Remove immediately any moistened or contaminated clothes!

  	<b>Eyes protection:</b>	Use protection glasses	 
	<b>Hands protection:</b>	Use safety gloves (e.g Ultranitрил 492)	
	<b>Body protection:</b>	Use aprons.	

☞ Fire department 0/112

**Behavior in the case of danger**

☞ Emergency 0 / 19222



Collect with an acid-binding material. Dispose and rinse with much water the place. Product is not inflammable. By heating dangerous steams develop.

### First assistance

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

  	<b>After eyes contact:</b>	Rinse with much water for at least 10 minutes with the eyelids open. Consult a doctor!
	<b>After skin contact:</b>	Remove immediately any contaminated clothes. Rinse 10 minutes with much water and soap.
	<b>After inhalation:</b>	Fresh air!
	<b>After swallowing:</b>	Do not provoke vomiting. Drink much water.

### Adequate disposal

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

Signature of the responsible person:

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