

Protective clothing and equipment



Lab coat



Gloves



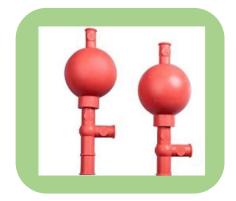
Lab pants



Glasses



Lab shoes



Pipetting balloon



Safety in the lab starts before entering the lab!

- 1. Assessment of the risk when working with dangerous chemical factors
- 2. Training on employee safety 6 hours
- 3. Training on students safety 3 hours



What is forbidden for students?

Regulation (EC) No 1272/2008

1. carcinogenic chemicals

2. mutagenic chemicals

3. teratogenic chemicals



What is forbidden for students?

Regulation (EC) No 1272/2008

4. H300, H310, H330

5. H301, H311, H331

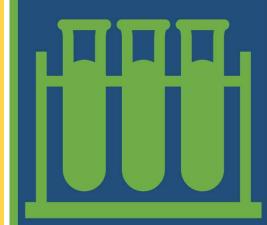
6. H370, H372



So what can't our students use in a chemistry lab?

- aniline
- borax (sodium borate)
 - declaration that the woman is not pregnant
- Co(II)
- Cd(II)
- Cr(IV), Cr(VI)
- formaldehyde
- Hg, Hg(I), Hg(II)
- heavy metals

- hydrogen cyanide
- methanol
- methyl orange
 - · allowed only in solution
- Ni(II)
- phenolphthalein
 - · allowed only in solution
- phenol
- potassium iodide (!)
 - the exception for chem. schools
- potassium bromate



What about the waste?

1. Heavy metals and inorganic waste

2. Organic waste – non-chlorinated

3. Organic waste - chlorinated



