

















3.2 Disposal

- Collect similar substances to similar containers
 - Strong acids
 - Strong bases
 - Organic compounds
 - Oils
- Deliver hazardous waste to toxic waste disposal plant





3.2 Disposal

- Neutralise acids and bases before poring them in the drain
- In Finland, acids and bases pH = 6 10 can be poured in to the drain with excess of tap water
- Do not pour in the drain
 - Toxics
 - Corrosive substances
 - Substances insoluble to water
 - Oils



4.1 Fire safety

- What is combustion?
 - Chemical reaction where oxygen combines with combustible substance, like methane gas:
 CH₄(g) + O₂(g) → H₂O(g) + CO₂(g) + energy
- Energy is released in forms of heat and light
- Products are hot, gaseous compounds which require large volume → possibility to explosion
- Source of oxygen are air and some oxidative chemicals like acids



4.2 Easily combustible substances

- Easily combustible substances are
 - Organic gases, like acetylene or butane
 - Organic liquids, like alcohols, petrol
 - Hydrogen gas
 - Clothes, hair
 - Dust





















