

General safety notes (1/2)

Hazards for people and the environment:

When working with corrosive substances, the following hazards could arise:

- Exothermic reactions (intense heating) of strong acids when mixing with each other and in case of uncontrolled contact with water, risk of splashing!
- Numerous materials, e.g. metals, wood, rubber or natural fibres, can be subject to attack.
- When acids attack certain metals, in particular light metals, highly flammable hydrogen can be created - hazard of detonating gas build-up (potentially explosive mixtures).
- Contact can cause serious chemical burns to skin and serious damage to the eyes.
- Eyes are particularly endangered by splashes. Danger of blinding!
- Inhalation can cause serious damage to the airways.
- After being taken by swallowing, follow the clues on the Safety data sheet of the substances used!
- Can be corrosive to metals.
- Corrosive substances are most often also water-contaminating (WGK 1).



Behaviour in the event of danger:

Emergency number: Fire brigade/rescue services

Emergency number: 112(EU), 911(USA)

With every action: Wear the prescribed personal protective equipment!

- In the event of danger, clear the area, warn people in the vicinity and inform the management/supervisor!
- Rectify hazardous situation only with personal protective equipment. With air pollution, wear suitable breathing apparatus!
- Dry spilled liquids immediately with suitable binding agents or powder, collect up the spill and dispose of it in suitable, labelled collecting containers. Clean up afterwards with water. Ensure disposal is carried out properly.
- Do not extinguish incipient fires in the working area with water.
- Observe site regulations!
- Escape route: See identification of the escape routes and rescue routes as well as the emergency exits.

General safety notes (2/2)

Protective measures and rules of conduct:

When working with corrosive substances, observe the following safety instructions:

- Observe specific substance characteristics!
- Use only resistant containers/equipment.
- Filled containers must be clearly labelled, replace damaged labelling.
- Keep only enough stock in the working area to meet current operational needs. Transport breakable containers in collection containers.
- Ensure that skin and eye contact can be ruled out. Do not inhale gases/vapours/smoke/mist!
- Do not eat, drink or smoke at the work place, do not store food.
- Observe internal instructions and safety instructions!



Hand protection	Wear acid-resistant, chemically-protective gloves, e.g. nitrile.
Eye protection	Wear tightly sealed safety goggles.
Body protection	Wear acid-resistant clothing.
Foot protection	Wear sturdy, closed safety footwear.

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