

# **WATER TOXICOLOGY**

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# HAZARD STATEMENTS

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- Hazard statements are determined by hazard classification below:
  - “Causes eye irritation”
  - “Toxic if inhaled”
  - “Flammable aerosol”
  - “May cause cancer”
  - “May cause respiratory irritation”
  - “Harmful to aquatic life”
  - “Contains gas under pressure; may explode if heated”



## Aquatic toxicity

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*Information on substances, mixtures, and all chemicals below:*

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- Chemical name
- Common name and synonyms
- For mixtures, the chemical name and concentration of all ingredients which are classified as health hazards

## Some physico-chemical properties labelled on toxic solutions, mixtures, material...

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- ▣ Appearance (physical state, color...)
- ▣ Flammability (Min, max or explosive limits)
- ▣ Odor
- ▣ Vapor pressure, density
- ▣ pH
- ▣ Flash point



## Some Labels and Meanings

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Irritant (skin and eye)  
Skin Sensitizer  
Acute Toxicity  
Narcotic Effects  
Respiratory Tract Irritant  
Hazardous to Ozone Layer (Non-Mandatory)



Gases Under Pressure

# Health hazard

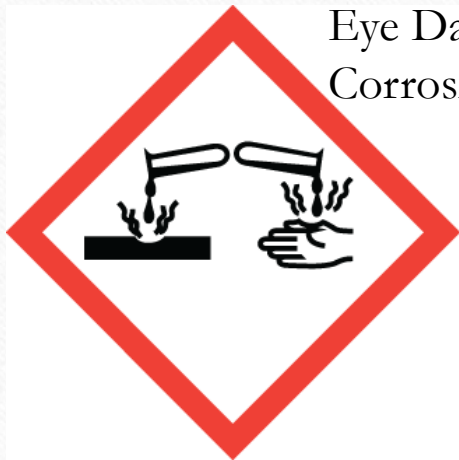
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Carcinogen  
Mutagenicity  
Reproductive Toxicity  
Respiratory Sensitizer  
Target Organ Toxicity  
Aspiration Toxicity



Acute toxicity (fatal or toxic)



Skin Corrosion/Burns  
Eye Damage  
Corrosive to Metals



Explosives  
Self-Reactives  
Organic Peroxides



Flammables  
Pyrophorics  
Self-Heating  
Emits Flammable Gas  
Self-Reactives  
Organic Peroxides