

## Chemical Substances

Reto Kromer • AV Preservation by reto.ch

### **Deterioration and conservation of photochemical material**

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**Always refrain from  
using chemical  
substances if you  
don't know exactly  
what you are  
doing!**

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## 1,1,1-Trichloroethane

**→ don't use it!**

→ solvent for cleaning

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## Perchloroethylene

scientific name: Tetrachloroethylene

**→ don't use it!**

→ solvent for cleaning

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## Trichloroethylene

→ **don't use it!**

→ solvent for cleaning

5

## HFE-8200

this is the replacement of Perchloroethylene in ultrasonic cleaning machines, but it is not very effective for archival materials and it is expensive

→ solvent for cleaning

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## Petrol Ether

e.g. 50–70 °C is fine

→ **use it only with good ventilation and correct protection masks (universal filter)**

→ solvent for cleaning

7

## Isopropanol

scientific name: propan-2-ol

also known as: isopropyl alcohol

it should be pure (99%)

→ solvent for cleaning

→ compound for chemical treatments

8

## Glycerine

scientific name: glycerol

→ compound for chemical treatments

9

## Acetone

→ solvent for splicing

→ compound for chemical treatments

10

## Ethanol

also known as ethyl alcohol, or simply as alcohol  
it should be pure (99%)

→ solvent for cleaning

→ compound for chemical treatments

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## Eucalyptus Oil

→ solvent for cleaning

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## Camphor

choose natural camphor if possible

→ compound chemical treatments

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## Silica Gel

can be reactivated and reused

→ desiccant for treatment

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## Chloroform

scientific name: Trichloromethane

→ **don't use it!**

→ to kill mould fungus

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## AV Preservation by reto.ch

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