

How to make Clock Cleaning Solution

The following 1:9 premix cleaning solution mixture was developed by a group of AAHS members. **Mixture A** is mixed first and then added to **Mixture B**. For optimum results do not change the order of mixing. The solution is used directly from the container and no further dilution is required.

	Small Amount	Large Amount
	Mixture A	
Pour	62 mls Oleic Acid	250 mls
Add	62 mls Acetone and stir	250 mls
	Mixture B	
Pour	2.5 litres rainwater or distilled/demineralized water	10 litres
Add	62 mls Dishwashing Liquid (clear) and stir	250 mls
Add	Mixture A to Mixture B slowly and stir	
Add	125 mls Ammonia 25% industrial grade slowly and stir thoroughly for several minutes	500 mls

Supplies:		
Acetone	Bunnings	
Detergent (Morning Fresh – clear detergent or similar)	Supermarket	
25% ammonia- Industrial grade	Hucon Aust P/L 130-132 Bayfield Road East Bayswater 3152 Ph: 9720-4744	Minimum amount 20 litres
Oleic Acid- commercial grade		Minimum amount 20 litres

Smaller quantities of 25% ammonia and oleic acid can be purchased from other sources but are not as cost effective as the 20 litre bulk quantity.

5 litre containers of the 1:9 premix are available from AAHS for purchase by AAHS members only.

SAFETY

1. Mixing the solution

Commercial grade 25% ammonia is classified as a Dangerous Goods and has a hazard classification of 1 for skin and eye damage. It should be handled very carefully avoiding spills and splashes and inhaling vapour.



INHALATION HAZARD



CORROSIVE



TOXIC IF SWALLOWED



TOXIC TO AQUATIC LIFE

- H301 Toxic if swallowed.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- AUH071 Corrosive to the respiratory tract
- Only use in a well ventilated area or outside.
- Avoid inhaling fumes – wear a mask
- Wear eye and face protection when mixing or handling the solution
- Always wear rubber gloves
- Only use in robust plastic or glass containers (preferably with handles or grips and lids)

The acetone should be handled in accordance with the safety instructions on the container.

2. Using the mixed solution

The premixed solution has a lower hazard category of 2 for skin and eye contact and is not classed as a Dangerous Goods.



WARNING

- The Safety Data Sheet for the premixed cleaning solution is available at <http://aahs.org.au/SafetyData/HorologicalCleaner.pdf>
- H320: Causes eye irritation.
- H315: Causes skin irritation
- H335: May cause respiratory irritation
- H302: Harmful if swallowed
- H402: Harmful to aquatic life
- Always wear rubber gloves when handling the solution
- Wear safety glasses when handling small quantities and a full-face shield for larger quantities.
- Use in a well ventilated area
- Clean containers with water between uses and dispose of small amounts of solution heavily watered down in accordance with local council requirements.