



Ammonia Gas



PRECAUTIONS:

When preparing solutions always wear appropriate PPE including eye protection and gloves. Always add acid to water (never water to acid). Use a fume cupboard. You should always carry out a risk assessment when using any chemicals. Follow all recommended safety procedures and adhere to the label instructions, hazard warnings and local legislations.

RECIPES:

Extreme caution must be used by people with known breathing difficulties. Use a fully functional fume cupboard. Do not inhale the gas. Caution 0.880 ammonia solution has a very strong odour!

1. Gently heat 10ml of 0.880 ammonia solution in a boiling tube with anti-bumping granules fitted with a delivery tube for around 3 minutes, collect the gas via upward delivery (not over water!). Label and Store the sealed gas jar upside down.

EXPERIMENTS:

Ammonia Gas can be used in the following experiments (scan or see website for details):



Ammonia Fountain



ENVIRONMENTAL
HAZARD



CORROSIVE



TOXIC

CONVERSIONS:

- 1ml = 1 millilitre = 1cm³ = 1/1000th Litre
- 1 Litre = 1dm³ = 1000ml
- 1M = 1mol dm⁻³ = 1 mol l⁻¹ = 1 mole per litre

WATER:

Distilled water should be used unless otherwise stated. Tap water is not suitable as it contains impurities.

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ingredients **24/7**
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