



# Ethanol

## C<sub>2</sub>H<sub>6</sub>O

MASS	BOILING POINT	MELTING POINT	DENSITY
46.07g	78.37°C	-114.1°C	789kg/m <sup>3</sup>



### 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.

### RECIPE:

Wear eye protection. Keep away from sources of ignition.

- 1 litre 70% ethanol – 700ml ethanol and 300ml water.
- 1 litre 90% ethanol – 900ml ethanol and 100ml water.
- 1 litre 95% ethanol – 950ml ethanol and 50ml water.

### EXPERIMENTS:

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



Combustion of Alcohol



Ethanol Rocket



Dehydration of Ethanol



FLAMMABLE  
(ETHANOL)



HARMFUL

### CONVERSIONS:

- 1ml = 1 millilitre = 1cm<sup>3</sup> = 1/1000th Litre
- 1 Litre = 1dm<sup>3</sup> = 1000ml
- 1M = 1mol dm<sup>-3</sup> = 1 mol l<sup>-1</sup> = 1 mole per litre

### WATER:

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

Order your ingredients **24/7** at **SciChem.com**

