

# Sulphuric Acid



## 1. IDENTIFICATION

CHEMICAL NAME: Sulphuric acid 95-97%

CHEMICAL FORMULA: H<sub>2</sub>SO<sub>4</sub>

MOLECULAR WEIGHT: 98,08

CAS No.: 7664-93-9

EINECS No.: 231-639-5

## 2. FEATURES

PROPERTIES	
Aspect	Liquid
Odour	Odourless
pH (35°C)	0,3
Dynamic viscosity (20°C)	26,9 mPa*s
Melting point	~-15°C
Boiling point	~310 °C
Ignition temperature	Not available
Flash point	Not available
Explosion limits	
- Less	Not available
- Upper	Not available
Vapour pressure (20°C)	~0,0001 hPa
Vapour density	~3,4
Density (20°C)	1,84 g/cm <sup>3</sup>
Water solubility (20°C)	Soluble
Ethanol solubility	Soluble
Thermal decomposition	- 338 °C

## 3. APPLICATION

- Oil&Gas
- Chemical industry
- Phosphoric acid
- Production of phosphate fertilizers and sodium triphosphate, used in detergents
- Sulphated fertilizer production
- Aluminium sulphate