# Sulphuric Acid

## 1. IDENTIFICATION

CHEMICAL NAME: Sulphuric acid 95-97%

CHEMICAL FORMULA: $H_2SO_4$

MOLECULAR WEIGHT: 98,08

CAS No.: 7664-93-9

EINECS No.: 231-639-5

## 2. FEATURES

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

## 3. APPLICATION

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



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