

## 77% SULPHURIC ACID – HIGH GRADE

**CAS No.** 007664-93-9 **EC No.** 231-639-5

### Alternative names:

Sulphuric acid concentrated, Sulfuric acid, Brown Oil of Vitriol (BOV), Rectified Oil of Vitriol (ROV)

INEOS Enterprises produce a range of sulphuric acid and related sulphur chemicals at its Runcorn site in the UK. High grade 77% sulphuric acid finds application across many market sectors but specifically as a chemical intermediate, in battery production and pharmaceuticals.

### Specifications

Parameter	Units	Lower Limit	Upper Limit
Sulphuric Acid	% w/w	77	77.8
Colour	Hazen	0	40
Turbidity	NTU	0	10
Iron (Fe)	ppm w/w	0	25
Residue on Ignition	ppm w/w	0	100
Reducing Substances as SO <sub>2</sub>	ppm w/w	0	10
Oxides of Nitrogen (Nox)	ppm w/w	0	10
Ammonia (NH <sub>3</sub> )	ppm w/w	0	5
Chloride (Cl)	ppm w/w	0	5
Antimony (Sb)	ppm w/w	0	1
Arsenic (As)	ppm w/w	0	0.1
Cadmium (Cd)	ppm w/w	0	0.1
Chromium (Cr)	ppm w/w	0	4
Copper (Cu)	ppm w/w	0	0.5
Lead (Pb)	ppm w/w	0	1
Manganese (Mn)	ppm w/w	0	1
Mercury (Hg)	ppm w/w	0	0.01
Nickel (Ni)	ppm w/w	0	4
Selenium (Se)	ppm w/w	0	1

Specification reference: 55354800/REV2

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## Specifications (continued)

Parameter	Units	Lower Limit	Upper Limit
Zinc (Zn)	ppm w/w	0	1
Specific Gravity 20/20		1.695	1.705

## Typical Physical Properties

Parameter	Conditions	Units	Typical Value
Form	-	-	Liquid
Boiling point	-	°C	191
Melting point	-	°C	-13
Vapour pressure	20°C	mm Hg	<0.001
Density	20°C	g/ml	1.691
Solubility in water	-	-	Soluble with evolution of heat

## Health and Safety

Sulphuric acid is corrosive and causes severe skin burns and eye damage. Refer to the Material Safety Data Sheet for further information.

## Delivery

77% Sulphuric acid is supplied in general purpose bulk road tankers.

## Enquiries

For further information, please contact your customer service representative.

[www.ineosenterprises.com](http://www.ineosenterprises.com)

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