

98% 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 98% sulphuric acid finds application across many market sectors but specifically as a pH regulating agent, for pharmaceuticals and in chemicals manufacture.

Specifications

Parameter	Units	Lower Limit	Upper Limit
Sulphuric Acid	% w/w	97.5	98.5
Colour	Hazen	0	40
Turbidity	NTU	0	30
Iron (Fe)	ppm w/w	0	25
Residue on Ignition	ppm w/w	0	100
Reducing Substances as SO ₂	ppm w/w	0	10
Oxides of Nitrogen (NO _x)	ppm w/w	0	10
Ammonia (NH ₃)	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

Specification reference: 55354320/REV4

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Specifications (Continued)

Parameter	Units	Lower Limit	Upper Limit
Nickel (Ni)	ppm w/w	0	4
Selenium (Se)	ppm w/w	0	1
Zinc (Zn)	ppm w/w	0	1

Typical Physical Properties

Parameter	Conditions	Units	Typical Value
Form	-	-	Liquid
Boiling point	-	°C	323
Melting point	-	°C	-1.3
Vapour pressure	20 °C	mm Hg	<0.001
Density	20 °C	g/ml	1.836
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

98% Sulphuric acid is supplied in general purpose bulk road tankers.

Enquiries

For further information, please contact your customer service representative.

www.ineosenterprises.com

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