

# Sulphuric Acid

## Technical Datasheet Hobart – Port Pirie

### Uses

The main applications for sulphuric acid include leaching of ores, pickling, automotive batteries, fertilizers and other chemicals.

### Characteristics

Chemical analysis (in ppm) guaranteed		
	Hobart: - 98-99%	Port Pirie - 98-99%
	Merchant Grade	Merchant Grade
Fe	< 20	< 30
As	< 3	< 3
Sb	< 1	n/a
Se	< 1	n/a
Cu	< 10	n/a
Pb	< 3	< 3
Hg	< 3	< 3
Cd	< 2	< 2
Mn	< 1	n/a
Cl	< 5	n/a
Zn	n/a	< 10
SO <sub>2</sub>	< 100	< 100
R.O.I.	< 500	< 500
N (as NO plus NO <sub>2</sub> )	< 30	< 100
N (as ammoniacal N)	< 30	< 100
Appearance	Clear-slightly cloudy, dense, oily liquid.	Dark brown-black, dense, oily liquid
Typical values (in ppm), reference 2008		
N/ NO <sub>x</sub>	13,9	99,2
Fe	2,7	14,8
Hg	0,9	2,2
Ni	0,1	n/a
As	n/a	0,1
Cd	n/a	0,1
Pb	n/a	2,7
Zn	n/a	0,9
Freight		
	Truck Barge	Truck Barge
Physical data		
Density (kg/m <sup>3</sup> at 15°C)	1840	
Melting temperature	-7°C	
Crystallization range	-18°C to -10°C	
Solidification range	-46°C to -36°C	
Boiling temperature	310°C	