

TECHNICAL SPECIFICATION



SULPHUR TRIOXIDE

1. Basic Information

Product Name	Sulphur Trioxide
CAS No.	7446-11-9
EC No.	231-197-3

2. Specifications

Parameter	Units	Lower Limit	Upper Limit
Sulphur Trioxide (SO ₃)	%	99.95	100
Total Acids (Residual Acid & SO ₃)	Ppm w/w	0	400
Iron (Fe)	Ppm w/w	0	2
Di-methyl sulphate	% w/w	0.2	0.3

3. Typical Physical Properties

Parameter	Conditions	Units	Typical Value
Form	-	-	Liquid or crystals
Colour			Colourless
Odour			Pungent
Boiling Point	-	°C	44.8
Melting Point	-	°C	16.8
Vapour Pressure	20°C	Pascals	9730
Density	20°C	g/ml	1.92
Solubility in water	20°C	g/l	Hydrolyses quickly to form sulphuric acid

4. Additional Information

N/A
