

Sulphur Trioxide (Stabilised)

CAS No. 007446-11-9 EC No. 231-197-3

Alternative names:

Sulphuric anhydride (stabilized)

INEOS Enterprises produce a range of sulphuric acid and related sulphur chemicals at its Runcorn site in the UK.

Sulphur Trioxide finds application as a chemical intermediate for various industrial processes. To avoid polymerisation, it is only supplied in its stabilised (di-methyl sulphate) form.

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

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

Specification reference: 55358000 Stab/REV1

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Health and Safety

Sulphur Trioxide is toxic by inhalation and causes severe skin burns and eye damage. Refer to the Material Safety Data Sheet for further information.

Delivery

Sulphur trioxide is supplied in dedicated bulk road tankers only.

Enquiries

For further information, please contact your customer service representative.

www.ineosenterprises.com

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