

PRODUCT SPECIFICATION: SPE.PROD. 0012

Section 1 – GENERAL	
Product Name:	Aluminium Sulphate Solution, Industrial
Description:	Aluminium sulphate, $Al_2(SO_4)_3$ is an aqueous solution, with a reddish-brown colour and a opalescent liquid.
Properties:	Density at 20 °C : 1,33 g/cm ³
Toxicity:	<p>The material is slightly toxic with a rating of 2 in the Clinical Toxicology of Commercial Products. The probable lethal dose (to humans) is 5 to 15 g/kg of body weight.</p> <p>TWA OEL-RL : 2 mg/m³ (as Aluminium Soluble Salts)</p> <ul style="list-style-type: none"> ▪ (According to The Occupational Health and Safety Act, Act 85 of 1993, as amended)
Hazards:	Ingestion of this material may cause abdominal pain. Contamination of the eye surface with this material may cause redness and pain.
Special Precautions:	Avoid ingestion and prolonged contact with the skin and eyes.
Statutory Aspects:	UN 1760. Transported as Dangerous Good. Chemical Initiatives (Pty) Ltd: Material Safety Data Sheet. Occupational Health and Safety Act, No:85 OF 1995

Section 2 – SPECIFICATION	
Appearance:	The material shall be a reddish-brown, slightly opalescent liquid, essentially free from visible impurities and foreign matter.
Strength:	To lie within the range 7,0 to 8,2 % (m/m) as Al_2O_3
Insoluble Matter:	Not more than 0,2 % (m/m)

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Section 3 – TESTING

The material is sampled and tested according to the most recent editions of the Sampling Procedures and Analytical Schedule respectively. The sample is tested to the most recent edition of the method specified.

<u>TEST</u>	<u>METHOD NO.</u>
3.1 Appearance	-
3.2 Strength	UMBOG No. 53
3.3 Insoluble Matter	UMBOG No. 53

This product is manufactured and tested at: Umbogintwini Factory

Section 4 – PACKING

Bulk in road tankers.

Section 5 – DOCUMENTATION

This specification is based on: Information from Umbogintwini Factory.

Section 6 – USES

Water treatment

Section 7 – REASON FOR REVISION

June 2013 – New template