



*Quality Solutions
Australian Made
Family Owned*

INDUSTRIAL

Industrial Products



www.sltecindustrial.com

Who are SLTEC® Industrial?

SLTEC® is a leading manufacturer of fluid Fertilizers and Industrial Products, based in North Central Victoria. The business was established in 2005 by the McMaster family, who for several generations have worked in the horticultural, irrigation, fertilizer, and industrial chemical industries, both throughout Australia and overseas.

SLTEC® considers itself an innovator in the fluid industrial water treatment and mining space and has forged a strong alliance with a major US manufacturer. The companies work together in Research & Development and raw material sourcing.

SLTEC® itself also has a strong research and development focus including activities such as formulation advances, chemical compatibility and field trials with the assistance of clients, scientists and independent consultants.

SLTEC®'s manufacturing plant is a world standard, high-volume operation supplying product to a wide range of eastern seaboard customers.

There are currently more than 20 standard formulations on SLTEC®'s product list, which have a wide variety of uses across many industries. Custom formulations to meet clients specific requirements can also be manufactured.

Our Promise

Quality

SLTEC® Industrial is committed to supplying consistently high quality products.

Investment

SLTEC® Industrial will ensure that your industrial and water treatment inputs maximise the return on your investment.

Service

SLTEC® Industrial will provide professional, logistical and technical support to ensure a sustainable relationship.

Industrial Products & Services

- BOD Control
- Cleaning & Sanitation
- Environmental Monitoring Systems
- Environmental Impact Analysis & Reduction
- pH Adjustment
- Water Treatment
- Waste Water Management



SLTEC® Industrial Product Range

Product Code	Name	Analysis % (w/v)	pH Range	Specific Gravity (kg/L)	Production Application Type
SI0001	Alum Concentrate	Sulphur: 10.1% as Sulphate: 10.1% Aluminium: 5.65% (Equivalent of 8.1% w/w Al ₂ O ₃ or 27% w/w Al ₂ (SO ₄) ₃)	1.0 - 2.0	1.31 - 1.32	Water & Wastewater Treatment Colloid & Chemical Flocculation
SI0021	Aqua Ammonia 23%	Nitrogen: 17.3% as Ammonium: 17.3%	> 13.0	0.91 - 0.92	Water Treatment pH Adjustment BOD Control Paper & Pulp Wastewater
SI0008	Calcium Nitrate	Nitrogen: 12.8% as Nitrate: 12.8% Calcium: 18.2%	3.0 - 7.0	1.48 - 1.50	Waste Water Treatment Odour Control Concrete Accelerator
SI0017	Carbon K	Potassium: 43.8%	> 13.0	1.52 - 1.55	Water Treatment pH Adjustment of Water Systems Waste Water Treatment
SI0016	Caustic K 48%	Potassium: 48.8%	> 13.0	1.47 - 1.49	Water Treatment pH Adjustment Boiler Water Treatment Industrial Cleaning & Sanitising
SI0002	CleanOFF	Organic Acid Cleaner	< 1.0	1.24 - 1.25	Mineral Scale & Precipitate Removal
SI0041	Copper Concentrate	Copper: 6.7%	2.0 - 3.0	1.16 - 1.17	Water Treatment
SI0033	CALflo38 (Liquid Lime)™	Calcium: 38.0%	9.0 - 10.0	1.60 - 1.61	Water Treatment pH Adjustment of Soils, Water and Waste Systems Revegetation of Acid Soils
SI0024	Liquid Polyacrylamide (PAM)	3% Polyacrylamide (PAM) Solution	3.0 - 5.0	1.01 - 1.02	Erosion Control Soil Structure Enhancement Reduction in Soil Surface Sealing Revegetation
SI0019	MagnSUL	Magnesium: 6.3% Sulphur: 8.3% as Sulphate: 8.3%	3.0 - 7.0	1.27 - 1.28	Paper & Pulp Mill Kraft Bleaching Process
SI0018	NFuric 24	Nitrogen: 22.8% as Urea: 22.8% Sulphur: 24.3% as Sulphate: 24.3% Copper: 0.045%	< 1.0	1.51 - 1.52	Water Treatment pH Adjustment Decalcification Crop Desiccation
SI0022	NFuric 28	Nitrogen: 15.4% as Urea: 15.4% Sulphur: 27.6% as Sulphate: 27.6% Copper: 0.045%	< 1.0	1.53 - 1.54	Water Treatment pH Adjustment Decalcification

SLTEC® Industrial Product Range (cont...)

Product Code	Name	Analysis % (w/v)	pH Range	Specific Gravity (kg/L)	Production Application Type
SI0013	Ortho P & N	Nitrogen: 11.3% as Ammonium: 11.3% Phosphorus: 15.6% as Phosphate: 15.6%	6.0 - 7.0	1.29 - 1.30	Water Treatment BOD Control Paper & Pulp Wastewater
SI0010	Phosphoric Acid 75%	Phosphorus: 37.4% as Phosphate: 37.4%	< 1.0	1.57 - 1.58	Water Treatment pH Adjustment Rust Removal BOD Control Industrial Cleaning
SI0009	Phosphoric Acid 85%	Phosphorus: 45.3% as Phosphate: 45.3%	< 1.0	1.68 - 1.69	Water Treatment pH Adjustment Rust Removal BOD Control Industrial Cleaning
SI0014	Poly P & N	Nitrogen: 14.0% as Ammonium: 14.0% Phosphorus: 20.8% as Phosphate: 20.8%	6.2 - 7.0	1.39 - 1.41	Water Treatment BOD Control Paper & Pulp Wastewater
SI0004	P Sorb 80	Calcium: 22.5%	10.0 - 11.5	1.21 - 1.23	Water Treatment BOD Control Phosphate Reduction Paper & Pulp Wastewater
SI0025	Settle IT 40	Polydiallylimethylammonium Chloride (Poly-DADMAC) - 40% w/v	5.0 - 7.0	1.02 - 1.09	Irrigation & Waste Water (Dams & Channels) Colloid Flocculation
SI0007	Sodium Bisulphite Solution (Industrial Grade)	Sulphur: 17.7% as Bisulphite: 17.7% Sodium: 12.7%	3.5 - 4.5	1.35 - 1.36	Water Treatment Dechlorination
SI0003	Suppress	Magnesium: 9.2% Chlorine: 26.9%	6.0 - 7.0	1.27 - 1.28	Dust Suppressant & Control
SI0015	UAN	Nitrogen: 42.5% as Nitrate: 10.6% as Ammonium: 10.6% as Urea: 21.3%	6.0 - 7.0	1.31 - 1.32	Water Treatment BOD Control Paper & Pulp Wastewater
SI0012	Urea 22	Nitrogen: 22.2% as Urea: 22.2%	6.0 - 8.0	1.12 - 1.13	Water Treatment BOD Control Paper & Pulp Wastewater
SI0011	Urea 26 (Summer Only)	Nitrogen: 26.0% as Urea: 26.0%	6.0 - 8.0	1.13 - 1.14	Water Treatment BOD Control Paper & Pulp Wastewater

Solutions for Bioremediation

SLTEC® has developed a range of products to assist in the remediation of contaminated soils and water systems.

Product Code	Name	Analysis % (w/v)	pH Range	Specific Gravity (kg/L)	Production Application Type
SI0033	CALflo38 (Liquid Lime)™	Calcium: 38.0%	9.0 - 10.0	1.60- 1.61	Water Treatment pH Adjustment of Soils, Water and Waste Systems Revegetation of Acid Soils
SI0028	Nitro Rem 3	N 41.4%, N as NO ₃ 10.3%, N as NH ₄ 10.3%, N as Urea 20.6%, P 0.1%, P as PO ₄ 0.1%, S 0.1%, Fe 0.001%, Si 0.003%, Fulvic Acid 0.01%, Fish Emulsion 0.2%, Humic Acid 0.2%, Kelp 0.2%, Molasses 0.2%	6.0 - 7.0	1.30 - 1.32	Contaminated Soil Remediation Water Treatment
SI0029	Nitro Rem 20	N 34.1%, N as NO ₃ 8.6%, N as NH ₄ 8.5%, N as Urea 17.0%, P 0.3%, P as PO ₄ 0.3%, Fe 0.006%, Fulvic Acid 0.005%, Fish Emulsion 1.5%, Humic Acid 1.3%, Kelp 1.5%, Molasses 1.5%	4.0 - 6.0	1.27 - 1.28	Contaminated Soil Remediation Water Treatment
SI0013	Ortho P & N	N 11.3%, N as NH ₄ 11.3%, P 16.0%, P as PO ₄ 16.0%	6.0 - 7.0	1.29 - 1.30	Contaminated Soil Remediation Water Treatment
SI0014	Poly P & N	N 14.0%, N as NH ₄ 14.0%, P 20.8%, P as PO ₄ 20.8%	6.2 - 7.0	1.39 - 1.40	Contaminated Soil Remediation Water Treatment
SI0030	Rem Cal 6	N 0.3%, N as NO ₃ 0.3%, P 0.1%, P as PO ₄ 0.1%, K 2.0%, S 1.8%, Ca 6.3%, Fulvic Acid 0.01%, Fish Emulsion 0.3%, Humic Acid 0.2%, Kelp 0.3%, Molasses 41.9%	6.0 to 7.0	1.27 - 1.31	Contaminated Soil Remediation Water Treatment
SI0027	Remediate 3	N 0.3%, N as NO ₃ 0.03%, P 1.6%, P as PO ₄ 1.5%, S 2.8%, S 0.1%, Fe 0.03%, Fulvic Acid 0.3%, Fish Emulsion 8.0%, Humic Acid 6.6%, Kelp 8.0%	3.0 - 3.5	1.12 - 1.13	Stimulate Soil Micro Flora & Fauna Stimulate Soil Fungi to Break Down Complex Compounds Balanced Biostimulant Feed Source Water Treatment
SI0026	Remediate 4	N 0.3%, P 0.1%, K 3.4%, Ca 0.2%, Fe 0.006%, Fulvic Acid 0.2%, Fish Emulsion 7.3%, Humic Acid 6.0%, Kelp 7.3%, Molasses 7.3%	10.0 - 11.0	1.10 - 1.20	Stimulate Soil Micro Flora & Fauna Balanced Biostimulant Feed Source

We also offer custom formulation services to tailor industrial chemistries and biostimulants to specific customer, environmental and site specific requirements
Call us today to discuss how we can help – 1800 768 224



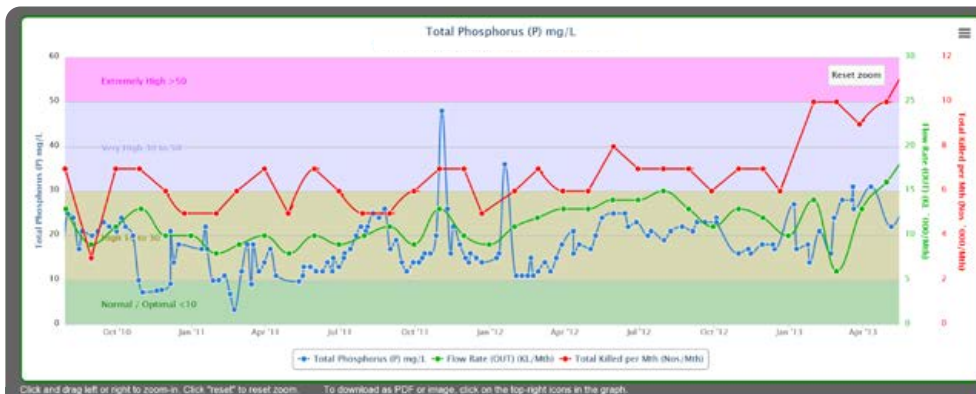
Environmental Analysis Systems

Environmental Analysis Systems (EAS) is a web based (PC or Tablet) software system that enables our client base to record and analyse environmental data from waste streams, air emissions and soil and water datasets over time for multiple monitoring locations. EAS enables a wide array of environmental monitoring variables to be recorded at multiple locations over time and reported in table and graphing formats. Interpretative threshold criteria for each variable can also be set based on environmental licence limits, published data or other interpretative data sets. Multiple variables can be graphed together to show trending of analysis and production KPIs over time.

Trends can be monitored and reported over time with the ability to have reports and graphs custom designed to meet individual client reporting requirements by the SLTEC®. In addition, historical monitoring data sets can be uploaded to provide historical context.

Key Features

- Australian and International soil, air, plant tissue and water (surface water, ground water, waste water etc) interpretative standards can be applied to your environmental datasets to aid in online data review.
- Interactive computer software that can be used to monitor large data sets of historical and present day results from soil, air, water and plant tissue analysis
- The development of soil fertility programs and sustainable environmental analyte management objectives from data collected and analysed.
- A team of experienced Chemists, Horticulturists, Agronomists and Soil Scientists are available to service your individual needs, ensuring your monitoring and treatment program is an investment, not a cost.



Example Dataset from SLTEC®'s Environmental Analysis System (EAS)
Showing pH Levels in Waste Water versus Production Statistics



Tanks & Storage Systems

Safe, affordable, simply SLTEC®

Believe it or not, water tanks were NEVER designed to safely store fluid fertilizer and other liquid chemical products. Fluid fertilizer and almost all of SLTEC®'s industrial range of products are heavier than water which places an additional load and strain on joints and tank structures. Rain water tanks can sag, split and burst at the seams leading to a loss of valuable product and serious environmental consequences.

The team at SLTEC® have a range of innovative fluid fertilizer & industrial chemical storage tanks, fittings and injection systems to suit your specific requirements.

Our 32,000 L Blue Storage Tanks have been manufactured and externally certified to meet Australian/New Zealand Standard AS/NZS 4766:2006 Polyethylene Storage Tanks for Water and Chemicals and to comply with the Rotationally Moulded Polyethylene Storage Tanks for Non Flammable Hazardous Substances Code of Practice.

This tank holds up to 40T of fluid, a B Double worth, and have a unique sump drain system enabling complete drainage of the tank contents.

These tanks are the first fluid fertilizer and water treatment chemical tanks in Australia to meet these strict quality assurance protocols. **A SLTEC® First!**

SLTEC® Bulk Tank Storage & Handling Services include:

- Tanks designed to safely store your liquid fertilizer products: 32,000 L
- Larger industrial stainless steel tank storage options also available: 60,000 L, 80,000 L and 200,000 L
- High quality fittings and fully bunded options available
- Technical support & advice on injection pump technology and pipe manifold assembly
- On site Chemical storage and on farm fertigation audits & assessments available. We can come out to conduct an audit of your specific requirements, then design a tank storage system to meet your specific requirements. Our team can offer bunding design plans as an additional fee for service to assist with Council Planning Submissions and Contractor Cement Quotations.
- Complimented by a wide range of innovative Australian Made fluid fertilizer and water treatment products.





INDUSTRIAL

Specialty Formulation Services

Can't find what you're looking for?

Ask us about our Prescription Blends, made to meet your specific requirements.

We have an internal Research & Development Team with in house chemists and formulation specialists capable of developing new products to meet specific industrial and water treatment needs.

Contact us today to discover how we can help you with Quality Solutions.

*For more information about
SLTEC® Industrial or any
of our products or services:*

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