

FutureSafe Solutions Pty. Ltd.

'SAVE ENVIRONMENT, SAFE FUTURE'



Company Profile

FutureSafe Solutions Pty. Ltd. is a supplier of specialty chemicals and technology for the Food Processing, Pharmaceutical, Biotechnology, Oil & Gas, Power, Marine, Aviation and Transportation Industries.

Innovation drives FutureSafe products, being a specialist supplier of new generation non-toxic, environmentally compliant aqueous surfactant cleaners, power station fuel additives and advanced spill control absorbents for hospital, commercial and industrial applications.

A new sister company to FutureSafe Solutions Pty. Ltd. has been established in Singapore known as FutureSafe Technologies Pte. Ltd. to provide effective cleaning technologies and support throughout the SE Asian Region.

FutureSafe companies strive to provide best available technology in the form of non-toxic chemistries wherever possible to assist its clients achieve ISO 14000 and ISO 18000 compliance and a safe future for our environment.

Our Partners



FutureSafe Solutions Pty. Ltd.

29/1 Jacobs Street

Bankstown 2200 NSW Australia

Tel: 612 8005 1500 Fax: 612 9790 0585

Email: sales@futuresafesolutions.com

Website: www.futuresafesolutions.com

FutureSafe Solutions Pty. Ltd.

'SAVE ENVIRONMENT, SAFE FUTURE'

GEMTEK
Products

FutureSafe
Solutions Pty.Ltd.



Members of the
Biobased Manufacturers Association

SAFE CARE® PRODUCTS ARE:

- Non-toxic
- Non-reactive
- Non-carcinogenic
- Readily biodegradable
- Derived from renewable resources
- Safe to use, store and dispose of



SAFE CARE® PRODUCTS DO NOT CONTAIN:

- Petroleum distillates
- Glycol ethers
- Terpenes
- Synthetics
- Builders & reagents
- Volatile organic compounds (VOCs)
- Caustics



SAFE CARE® CLEANERS, SOLVENTS AND SPECIALTY PRODUCTS

CLEANERS:

- SC-1000™ Aqueous Cleaner Concentrate
- SC-2000™ All Purpose Cleaner
- SC-Multi-Surface Cleaner
- SC-Aircraft™ and Metal Cleaner
- SC-Fruit & Vegetable Wash
- SC-Stainless Steel Cleaner
- SC-Steel Bright Polish
- SC-Carpet and Upholstery Spotter & Shampoo
- SC-Grease Trap and Drain Cleaner
- SC-Floor & Tile Cleaner



SC-1000™ is on the USEPA National Oil & Hazardous Substances Pollution Contingency Plan (NCP)



SC-1000™ is safe to use in post-harvest wash applications.

SAFETY SOLVENTS:

- SC-Supersolve™
- SC-MaxiSolv™
- SC-EZ-Solv™
- SC-Actisolv™
- SC-Graffiti, Tar & Gum Remover

ALLERSAFE® ANTI-ALLERGEN PRODUCTS

- AS-Dustroy Anti-Allergen Spray
- AS-Carpet & Upholstery Shampoo
- AS-Mold & Mildew Cleaner
- AS-Fruit & Vegetable Wash
- AS-All Purpose Cleaner



AllerSafe® actually neutralizes protein allergens on contact.



SAFE CARE® products carry USDA NSF registration for several food processing applications.



SAFE CARE® offers proven effective cleaning and solvenating products for many industrial uses.



SC-AIRCRAFT and Metal Cleaner™ will not harm aluminum or other bright metal finishes, making it an ideal cleaner for the aircraft, transportation and automotive industries.

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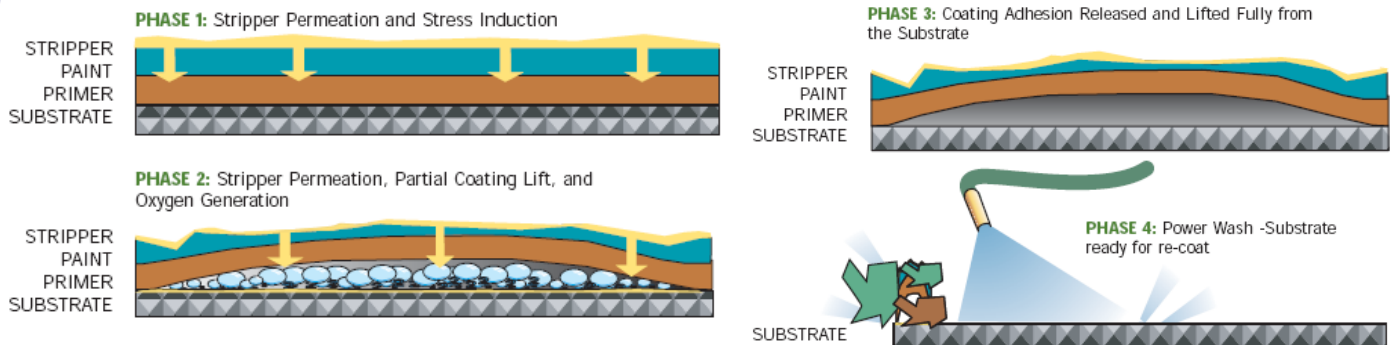
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How it Works...

Products based on SARA Technology work in a completely different way compared to conventional strippers. Unique ingredients in these products open up the pores in the coating system and travel through those pores until they reach the substrate. This process induces physical stress in the coating, which destabilizes the adhesive bond between the coating and the substrate. The coating lifts slightly and the vacuum created at the interface is quickly filled by oxygen gas released from the product. The resulting explosive change in pressure destroys the remaining adhesion. Lifting in large pieces, the coating can be scraped off or washed off with water, leaving the substrate prepared and ready for the new coating.

Four Phases of Coating Removal...



Features...

Products based on SARA Technology are:

- 100% biodegradable
- Water-based
- Virtually odorless · Easy to apply
- Non-toxic, non-irritating formulations
- Non-carcinogenic
- Not regulated by authorities for worker health and safety.
- Non-flammable
- Safe for air transportation
- Free from any methylene chloride or caustics
- Free from any HAP 's or TAP 's (hazardous or toxic air pollutants)
- Free from regulated VOC's (volatile organic compounds)
- Not regulated by authorities for transportation.

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Products based on *SARA Technology* are available from Napier under the house brand name of "RemovAll". Several variations of these products are available providing effective solutions for different combinations of coatings & substrates.



These products are:

RemovAll 210: Industrial & architectural coatings from metal and concrete

RemovAll 200: Liquid stripper for dip tank applications

RemovAll 310: Architectural coatings from wood, brick and masonry

RemovAll 300: Water based alternative to solvents for equipment clean up

RemovAll 400: Graffiti and overspray from painted & non-porous surfaces

RemovAll 510: High performance coatings from metallic surfaces

RemovAll 610: Anti-fouling paint from fiberglass, wood and aluminum

RemovAll 700: Adhesive and carpet foam remover

RemovAll 800: Rust remover and inhibitor, and aluminum brightener

RemovAll SV-35's: Aircraft grade coatings from metallic & composite surfaces



Asbestos based paint being removed from a brick building with RemovAll 310



Bubbling paint ready for removal



Spraying RemovAll 610 on anti fouling paint on fiberglass



Concrete floor with epoxy coating partially lifted by RemovAll 210



Coal tar Epoxy on a ballast tank in a ship before and after being stripped



Easy removal of lifted paint by squeegee

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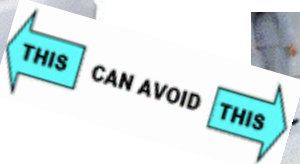


"Protecting People, Workplace and Ecology"



SpillFix BIO-WASTE Infectious Waste Absorbent is a convenient and safe method for cleaning up hazardous human and animal spills. Simply apply over the spill and it will immediately immobilize and solidify liquid spills which can swept up for safe disposal. SpillFix BIO-WASTE is suitable for liquids, semi-liquids and moist solids and be used to clean up Blood, Urine, Vomit and Faeces. Its unique wicking and immobilising characteristic of the natural material makes an awkward cleaning job simple and safe.

- *Minimise potential cross contamination*
- *Reduce slip hazard risk*
- *Absorbed spills can be swept away*
- *Non-toxic and safe to use*
- *Conforms to NSW Health, Infection Control Policy—Blood and Body Substances Spills"*



SpillFix Indoor Absorbent is a waterless "spill clean-up" technology can reduce the risk of slip fall injury. It will immediately immobilise and solidify liquid spills that can then be swept up leaving a clean and dry surface.



Pour—Sweep—Dispose



SpillFix Organic Floor Sweep rapidly absorbs hydrocarbons on contact. It is an inert natural organic fibre made from 100% coir peat, a renewable resource. The cellular structure of the coir peat provides a medium that is fast acting and has a large absorbency capacity.

- *Versatile - use for hydrocarbon, waterbased, mild corrosives and chemicals.*
- *Contains no harmful dust or pesticide residues*
- *Bio-degradable - can be composted*

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FLUID LINE TECHNOLOGY CORPORATION

Specialising in UltraPure Process Equipment



**All Item are fully
Customisable to
Suit Your Individual
Need**

INLINE BLEED SANITARY SAMPLE VALVES

fully autoclavable – minimal dead leg – PTFE/TFM seat – indicating stem for open/close – selection of 'O' rings available – non rotating stem – variety of surface finishes – 1/8" thru 1/2" inlet bore sizes - Fully certified documentation package



ANGLE BLEED SANITARY SAMPLE VALVES

fully autoclavable – minimal dead leg – PTFE/TFM seat – indicating stem for open/close – selection of 'O' rings available – non rotating stem – variety of surface finishes – 1/8" thru 1/2" inlet bore sizes - Fully certified documentation package

HEAT EXCHANGERS, SANITARY POINT OF USE

fully cleanable and drainable - special design prevents coolant/product contamination – vertical or horizontal design - engineered custom HX's available – wetted surfaces 316L, available in alloy 22 – pressure rating up to 150psi – variety of surface finishes – ASME BPE



SAMPLE COOLERS, SANITARY STEAM CODENSORS

horizontal and vertical designs - Inlet/outlets fully customisable – configuration tailored to suit – sanitary, industrial, disposable – wetted surfaces 316L, available in alloy 22 – pressure rating to 150psi – variety of surface finishes available

SANITARY INSTRUMENT TEES AND CPM's

available in all popular tube sizes and configurations - wetted surfaces 316L – fully draining design - other materials available - custom fabrications available upon request - fully certified documentation package



SANITARY ANGLE THERMOWELLS

Sanitary design – BPE compliant – controlled sulphur – orbital weld or clamp ends – NPT or clamp instrument connections – all insertion lengths – fully customisable – 316L standard, other materials available – variety of surface finishes

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All Item are fully Customisable to Suit Your Individual Need

TWO WAY DIAPHRAGM WEIR VALVES

BPE compliant bodies, controlled sulphur - integral valve body sealing ridge - sizes 1/4" to 6" - exterior design for cleanability - fully traceable - etched drain angle marks - surface finishes available from 25Ra to 5Ra, MP & EP - 316L, hastelloy, AL6XN, titanium - clamp, butt weld, orbital weld or custom ends



POINT OF USE

minimised footprint - compact centreline dimensions - readily cleanable exterior - all surfaces sloped and radiused - true zero static design - low pressure drop - high flow co-efficient (Cv) for optimum performance - integrated sampling valves and other custom options - 92° angle bends to facilitate drainability

FUSION™ HYBRID PATENT-PENDING VALVES

pressure transmitter integration depicted - compact hybrid design - eliminates dead leg concerns - BPE compliant, controlled sulphur - manual or actuated operation - exotic materials, choice of end connections and diaphragms available



MULTI VALVE COMBINATIONS

multi combination diverter valves - 3, 4, and 5 way diverters - cost effective - Machined block construction - decreased dead legs - remedies drainage problems - fewer system welds - optimum drainability - quick and effective sterilization

THE VALBOW® VALVE

uniquely suited for that one spot where nothing else will do - created to solve a unique problem - 90 degree angle pattern - minimal hold up - hygienic clamp - orbital weld, end - custom designs and special options available



PNEUMATIC VALVE ACTUATION

features lightweight performance housings - precision stainless internals - O-rings machined and moulded to tight tolerances - compact lightweight design - spring return or double acting - limit switch - banjo mount solenoid - NAMUR adaptor available - high life cycle - Integral controlled travel stop

ZERO STATIC TEE BODIES

true zero static design - fully machined from block - ergonomic design - completely drainable - readily cleanable exterior - industry's smallest footprint - lightest weight - integrated sampling valves - custom options available



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TS-VF LOW STRENGTH LOW FUME PICKLING PASTE new formulation

- Low strength thixotropic stainless steel pickling gel
- To remove annealing colours, corrosion products, black oxide marks or heat tint
- TIG or Flux Cored Wire Welding of stainless steel
- Supplied with an acid resistant applicator brush



TS-K2000 PICKLING PASTE FOR STAINLESS STEEL suitable for all stainless steels

- Extended moist phase
- Shorter reaction times
- Stronger pickling action
- Less drying out and easier final rinsing
- Can be used on vertical & overhead surfaces
- Supplied with an acid resistant application brush



ANTI-SPATTER - LIQUID

- Unique formulation
- clear titanium oxide anti-spatter film
- Spatter resistance up to 1668⁰C
- Protects mild steel, ferrous metals and stainless steel alloys
- Prevents welding spatter sticking
- MIG welding torches
- Interior surfaces
- Contact tips
- Positioners
- Ozone safe
- Non flammable



ANTI-SPATTER - AEROSOL SPRAY

- Reduced odour formulation
- Prevents welding spatter sticking
- Protect mild steel, ferrous metals and stainless steel alloys
- Pressure vessels, boilers, shipping containers, oil & gas structures fabrication, ship building, aerospace
- Ozone safe
- Non-flammable
- Paint compatible

NOZZLE GEL FOR GMAW (MIG)

- Non toxic
- White gel
- Dip the hot MIG torch nozzle
- Prevents welding spatter sticking
- MIG welding torches
- Interior surfaces
- Contact tips
- Positioners
- 300gm metal cans



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- ✓ OH&S friendly
- ✓ Increased Cr/Fe ratios
- ✓ Better Oxide ratios



BIOTECH, PHARMACEUTICAL*

CITRISURF® 3050 – bio PHARMACEUTICAL GRADE SOLUTION

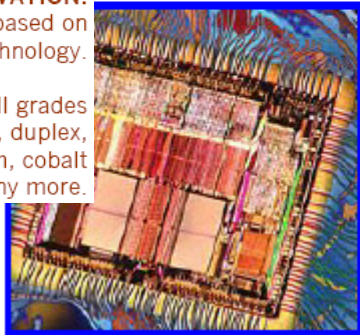
3050, a liquid solution of chemicals specifically formulated to improve cleaning & passivation in the Bio-Pharmaceutical industries. 3050 is a 50% concentrate for cleaning and passivation where very low foaming action is required. Applied by spraying, immersion or pumping. All product supplied with batch traceability & C.O.A.

PASSIVATION SOLUTIONS

CITRISURF® citric acid based **CLEANING & PASSIVATION.**

A new process, based on the latest proven technology.

Suitable for all grades of stainless steel, duplex, aluminium, titanium, cobalt chrome, and many more.



MEDICAL DEVICE, SURGICAL, ELECTRONICS, SEMI-CONDUCTOR*



CITRISURF® 2250 – MEDICAL GRADE SOLUTION

2250, a liquid solution especially formulated for optimum cleaning and passivation conditions for various "tough to passivate" grades of stainless steel. 2250 is specifically suited for improved performance with ferritic, martensitic, and ph grades of stainless. All product supplied with batch traceability & C.O.A.



ROUGE REMOVAL ON ALL STAINLESS STEELS*

CITRISURF® 8050 – TANK, PIPING AND TUBING SOLUTION

In the pharmaceutical industry, rouging forms where stainless-steel equipment and components are in contact with hot pure water, DI and WFI (water for injection) or pure steam for a sustained periods.

8050 is a high quality blend of chemicals formulated for the **de-rouging** and passivation of stainless steel products. CitriSurf 8050 is a solution of chemicals specifically designed to provide low cost and efficient removal of all iron oxides and free iron from the surface of stainless steel.



ARCHITECTURAL*

BALUSTRADING*

CITRISURF® 77 PLUS – TECHNICAL GRADE SOLUTION

77plus, a solution of chemicals specifically designed to provide a portable, low cost and efficient removal of contaminants and all rust and free iron from the surface of stainless steel.

Available in a "ready to use solution" trigger sprayer bottle for applications where it is desired to spray the product on a local area for rust removal, cleaning and passivation such as "Tea Staining".



MARINE & YACHTING*

DECORATIVE & APPLIANCES*



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nofire.

does everything
that ordinary paint does...
except burn!

NoFire provides protection from fire and heat at temperatures in excess of 2000°F whether used as a primer or finished coat.

NoFire contains NO lead, asbestos, halogens, or solvents.

NoFire is a water base nontoxic intumescent paint.

NoFire is extremely durable when compared to ordinary paint.

NoFire cleans up after any job with just plain water.

NoFire is NOT a health hazard to animals (acute oral toxicity test results available).

NoFire contains a powerful mildewcide to prevent the growth of mold & mildew on the paint film only.

5 YEAR
MOLD & MILDEW-PROOF*
PAINT FILM
GUARANTEE



ZERO FLAME SPREAD INDEX

ZERO SMOKE DEVELOPED VALUE

ZERO TOXICITY

*NoFire is a high performance
non-toxic fire retardant paint*

nofire. APPROVALS

