



Cleaner, Safer Chemistries for Mining, Oil & Gas



For a Better World

The Evolution of Workplace Chemistries

At Environmental Fluid Systems we have a vision for a better world - a world where toxic and hazardous chemicals are no longer commonplace.

That's why for the past 15 years we have relentlessly sought out the best science can offer to find responsible, high performance substitutes for some of the world's most commonly used toxic and dangerous chemicals.

Safe chemistries are evolving rapidly, but the culture of business needs to change too. Right now too many Australian homes and workplaces are unnecessarily using toxic chemicals that put people's health at risk, harm the environment and harm productivity. **We're here to change that.**

At EFS we're deeply passionate about what we do and why wouldn't we be? What we do improves people's lives, improves business, and opens up new realms of innovation - For a Better World.



Improving Lives

We improve lives by drastically reducing Health & Safety risks in the workplace, as well as the long term illnesses caused by many common chemicals. We free workers from worry, and reduce the need for PPE, making people healthier, happier and more productive. EFS chemistries also look after the environment, and are as gentle on the planet as they are on humans.

Improving Business

Reducing risk is good for business. EFS chemistries reduce Health & Safety risks, and WHS and environmental compliance costs. Safer substances mean easier and more efficient handling, increasing productivity and reducing waste.

Improving Innovation

Safer chemistries doesn't mean lower performance, in fact in most cases EFS substitutes are actually more effective than the toxic chemicals they replace. Because they are safer and more targeted in their action, our chemistries open up completely new applications for forward thinking innovators.

Responsible Products Designed to Lower Costs & Reduce Risks



Highly powerful, 100% bio based, industrial and commercial grade cleaners and degreasers that are non-toxic, protect the cleaning surface, are environmentally friendly, and safe for use in sensitive environments. **triple7** formulations are homogenous blends of colloids, organic sequestrants and hyper-wetting agents that become 'super active' when processed together.



Low hazard alternatives to common industrial solvents which replace dangerous and toxic products such as MEK, Acetone, Gun Wash, and products containing benzene and its derivatives. **purasolve** Safety Solvents reduce health and safety risks and lower environmental compliance costs.



A unique range of chemicals developed for specific applications that have proved difficult for industry. **ActiveEco** products are a specific range of formulations that are powerful alternatives for challenging cleaning tasks.

Key Mining Applications



Cleaning and Equipment Washdown

triple7 cleaning and degreasing products lift & release contaminants from paintwork without using toxic & hazardous components. They protect metal finishes, and are used on all surfaces including duco, glass, chrome, stainless steel, plexi-glass, rubbers, plastics, vinyl & canvas. **triple7** products are plant-based and are natural oil/water separators which significantly enhance the performance of oil water separator systems.



Wastewater Treatment & Odour Control

triple7 water treatment solutions are bio based, non-ionic, linear alcohol surfactants, that have distinct advantages in waste water treatment and management areas. **triple7** organic products are free of toxic and hazardous components and are a new direction in overcoming trade waste problems caused by traditional treatment chemicals. **triple7** products neutralise odours; strip pipework of effluent build-ups; separate fats, oils and greases; help break down solids; and are a powerful yet safe cleaning solution.



Harbours & Offshore

EFS worksafe and environmental chemistries provide complete solutions to specialised cleaning requirements within many areas of the Marine and Offshore Industries. These powerful non-toxic solutions are made from renewable resources and are suitable for use in confined spaces. **triple7** and **purasolve** products reduce WHS compliance requirements, enhance system performance, enable easier maintenance, and extend equipment life, while decreasing whole-life costs and providing healthier working conditions.



Scale Removal

triple7 Scale and Calcium Removal Chemistries are powerful and sustainable alternatives, especially designed for use in closed circuit applications and enclosed environments where human safety is the highest priority. **triple7** Descalers are non-toxic, plant based scale removers designed for effectiveness and safety to workers, the cleaning surface and the environment. **triple7** Scale Removers will not harm equipment and give longer life cycle maintenance and consequent cost advantages. Applications include; pipework, heat exchangers, boilers, condensers, wet-scrubbers and chillers.



Workshops & Maintenance

EFS have Australia's largest range of safe and effective workshop and maintenance chemicals, acids, and solvents. From safe degreasers and acids through to safer solvent alternatives for MEK, acetone, toluene and gun wash blends, EFS has a safer solution for all cleaning and maintenance applications. Applications include cleaners, degreasers, workshop solvents, brake cleaners, electrical contact cleaners and parts washing solutions.

For a Better World

Featured Products



triple⁷ Heavy Duty

- Removes heavy dirt and oil build-ups without harsh chemicals that 'burn' off deposits.
- No HAZCHEM rating or storage requirements.
- Safe for food areas.
- Safe for workers, immediate and long term health. No PPE required.
- Accepted for landfill and environmentally safe for parks, waterways and wetlands.



triple⁷ Enviroscale

- Removes scale with the highest rate of scale removal at the lowest corrosion rate.
- Non toxic / non hazardous and replaces many dangerous chemicals currently in use.
- Use without disassembling equipment.
- Biodegradable and can be flushed through sewage systems.



purasolve Heavy Duty Hand Cleaner

- Revolutionary formulation using zeolite and soft silica minerals to extract ingrained grease, dirt and odours from the skin.
- Cleans hands without harsh abrasives.
- All natural non-toxic ingredients.
- Leaves hands feeling fresh, clean and odour free.
- Good for the environment and for human health.



triple⁷ Odour Control

- Cleans & destroys odours by targeting problems the source. Retards Hydrogen Sulphide production.
- Effective for water treatment, refuse, effluent, low water use toilets, marine tanks and general cleaning.
- Non-corrosive, non-toxic and non-hazardous.
- Improves overall waste water quality. Suitable for septic systems and grey water irrigation.



purasolve Parts Cleaner

- Removes heavy dirt and oil build-ups without harsh chemicals that 'burn' off deposits.
- No HAZCHEM rating or storage requirements.
- Safe for food areas.
- Safe for workers, immediate and long term health. No PPE required.
- Accepted for landfill and environmentally safe for parks, waterways and wetlands.



PS 80 Parts Washer

- Agitating parts washer for hands free operation and solvent recycling.
- Increases safety and reduces through-life costs unique recycling system.
- Designed for use with purasolve.
- Reduces offgassing from dangerous solvents and protects the health of workers.
- Reduces disposal costs and environmental impacts.

To find out about more about our extensive product range please contact us on **1800 777 580** or visit our website.