

STRUVGONE STRUVITE REMOVAL LIQUID

ABOUT US

Since 1991, Haldatec has been providing products and services to the Oil, Gas and related industries in Australia, Pakistan, Singapore, Papua New Guinea, India and New Zealand.

ENPRO

Our house product label, EnPro, has been developed to complement our core business and has been driven by customer needs. Our comprehensive range includes innovative designs, adaptations and applications introduced to solve problems for our customers.

STANDARDS

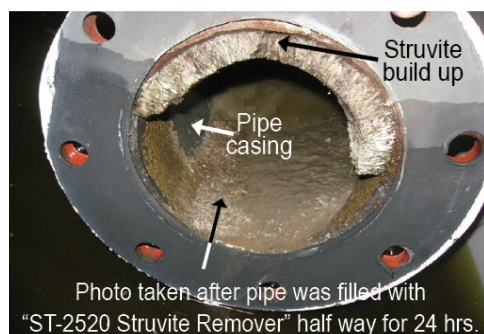
To ensure we provide the best possible support for our customers and suppliers, we have certification to ISO9001:2015.

Struvgone is designed for the safe, effective removal of Struvite (Magnesium Ammonium Phosphate) in pipes, digesters, pumps, tanks, valves and other plants in wastewater treatment systems.

HOW DOES IT OCCUR?

Struvite forms when there is a mole to mole ratio (1:1:1) of magnesium, ammonia and phosphate in the wastewater.

- Magnesium is present in most water we consume. Normal hard water systems could have 15-50 ppm of magnesium present.
- Urea is waste product of human biological systems and is broken down into Ammonia and CO₂ within anaerobic digestors.
- Phosphates are part of the makeup of dish washing and laundry detergents and can occur naturally.



As digestors and waste water plants handle millions of litres of water these products combine and form Struvite under the right conditions.

Struvite has traditionally been removed, by mechanical means and/or replacement of pipework and fittings.

It is immune to strong acids/bases and forms a very stable compound. Struvite is most common in turbulent flow areas.

APPLICATION

To remove struvite a general guide is 1.5-2.0 moles of Struvgone to one mole of Struvite. Effective application time is 12-24 hours for most applications. To maintain a struvite free environment a dose of 40-50 ppm is recommended.

For specific applications and effective coverage consult Haldatec.

ADVANTAGES OF USING STRUVGONE

- Requires no removal of equipment to use.
- Safe to use.
- Does not require special handling.
- No negative downstream effects.
- No specialised scrubbers, tanks, pumps or mixing stations required in systems where Struvgone is used.
- Not a gas.
- Not a hazardous product. It is classified as not dangerous – (EC) Regulation.
- Suitably stored it has a shelf life of 4 years.
- Rapid effective action. Will remove struvite build-up within hours.
- Will prevent struvite formation with constant dosing.

AVAILABLE QUANTITIES

- 4 Litre
- 205 Litre;
- 1,000 litre