



WATER SOLUTIONS

BOILER WATER TREATMENTS

ERCLEAN-WT

A cleaner of new boilers and cooling systems on board new buildings. It will remove scale, rust, oil and grease at the same time from the systems. The product is recirculated through the system, using an external circulation pump.

EK-1

A complete product to control oxygen corrosion, sludge, scale and foaming and to balance alkalinity in the boiler and steam lines.

EC-2

A volatile amine-based product affects inhibitor for steam boilers and condensate return lines. It is used to protect systems from oxygen and carbon dioxide corrosion

ERAY

Strong alkali boiler water additive for increasing low pH in steam and boiling water boilers which works with pure water (DI water). It is used to adjust pH to ideal ranges (10-12).

EC-2H

Amine-based efficient boiler and condensation line oxygen scavenger to prevent oxygen corrosion to form in the boilers and steam lines.

EK-1 WH

Catalyzed sulfide-based boiler water additive. It controls oxygen corrosion, sludge and scale in steam boilers and hot water boilers, and balances alkalinity as well.

ERFOS-3

Hardness control for boilers. It also removes the scale, lime and rust inside the boiler.

EK-5

Additive for boiler water and condensate line which consists of organic compounds which prevents corrosion, scab, furring, ooze in the form of precipitation and foaming in the steam boiler, steam lines, boiling water boiler and condensate line.

BOILER COAGULANT

Sludge conditioner designed to prevent water deposits and sludge in boiler.

EK-1 J

Generator water treatment inhibitor. It prevents the system from corrosion and scale.

EC-2DH

A diethylhydroxylamine based efficient boiler and condensation line oxygen scavenger to prevent oxygen corrosion to form in the boilers and steam lines. When it reacts with the melted oxygen within the boiler water, it increases pH by condensing in the condensate return line. It generates an oxide layer on copper, iron and non-iron surfaces. Discontinuous usage and/or wrong dosage control of DEHA concentration will not provide proper protection for the boiler system.

COOLING WATER TREATMENTS

ERTREAT- COOLANT ALL

Organic based corrosion inhibitor

ES-3D

An inhibitor which is used in cooling water (main engine water), closed circuit heating and cooling systems. It's an excellent anti-scab and anti-corrosive. It does not contain chromate and it is compatible with glycol based antifreezes.

ES-3DP

An inhibitor in powder form which is used in diesel cooling water (main engine water), closed circuit heating and cooling systems.



SEAWATER TREATMENTS

ERBIOCIDE-A

It is formulated to prevent the system from algae, bacteria, fungus, mold, oyster, moss and the contamination they cause.

ANTIFREEZE

An anti-corrosive product to protect the system against freezing in cooling systems. The product is in pure, concentrated form.

EVAPORATOR TREATMENTS

EVAPORATOR TREATMENT

It is an additive which prevents the formation of the scab, scale, sludge in high and low-pressure fresh water producing systems. The product is also effective in removing the scab which was formed before the usage of Evaporator Treatment.

SEWAGE TREATMENTS

ERBIO-CL

Wastewater system disinfectant. It kills bacteria colonies wherever it is applied like floors of kitchen, aisles, cabinets and toilets; provides hygiene and healthy environment.

ERBIO-TD

Concentrated liquid living aerobic and anaerobic bacteria selected to produce active enzymes which are required for degradation of sanitation wastes.

ERBIO-TDS

Powder product formulated to dissolve organic and inorganic materials, uric acid, scale, fat and grease in toilet systems, drains and pipes.

ERBIO-DPC

It degrades excess residual waste products, blocking sinks, showers, drains, etc. and cleans grease, fats, sewage starch and other compounds.

ERBIO-MSK

Biodegradable general sanitant which is manufactured from very strong disinfectants. It has multi-purpose usages, it can be used for general cleaning and sanitation.

ERBIOCIDE-FW

It is formulated to protect cooling water systems from bacteria, fungus, mold, oyster, mussel and etc. by destroying their cells. It is an economic product in the range with price.

ERBIOCIDE-SW

It is formulated to protect cooling water systems from bacteria, fungus, mold, oyster, mussel etc. by destroying their cells.

BILGE WATER TREATMENTS

ER-FLOC BW

A powerful liquid treatment used for separating oil residues from bilge water.

ERBIO-BTC

It is formulated as powerful water-based oil, fat, dirt and other solid waste materials remover. It has antibacterial specialties.

ERBIO-BC 850 POWDER

A highly concentrate powder powered by the process, which combines specialized strains of microorganisms selected for their high biological activity in the degradation of a wide range of organic compounds including fats, greases, celluloses, proteins and starches.

CHLOR POWDER

An effective disinfectant used for chlorination of swimming pools, sewage and waste water systems.

CHLORINATING TABLET

A disinfectant used for chlorination of swimming pools, sewage and waste water systems.

BALLAST WATER TREATMENTS

ERCOAT- BALLAST

A mild acidic liquid cleaner for the removal of light corrosion products such as rust stains, from stainless steel surfaces and tarnish from copper, brass and other nonferrous metals. This product consisting of phosphoric acid, wetting and penetrating agents that can be diluted with water in all proportions.

MUD & SILT CONDITIONER

A concentrated liquid solution formulated with special surfactants and corrosion inhibitors in order to fight formations and disperse accumulations of mud and silt in ballast water tanks. Actually, MUD & SILT CONDITIONER reacts with mud and silts, and forms large non-adhering particles, which are settled in the tank and then discharged with the ballast water during de-ballasting.

REVERSE OSMOSIS TREATMENTS & CLEANERS

ERBRANE

A scale inhibitor for RO systems. It works by preventing inorganic, scale and deposit crystallization on membranes. Scale and Iron fouling of the RO membranes will reduce system performance and lead to premature membrane replacement. Precipitation of scale and deposits build up on the RO membrane which leads to poor permeate quality, low permeate production, unscheduled downtime, increased water consumption and increased energy costs.

ERBRANE-BC

An alkali membrane cleaner developed to support the cleaning of acid in soluble sulfates of calcium, barium and strontium as well as calcium fluoride.

ERBRANE-ACF

An acidic membrane cleaner specifically designed to remove fouling by iron and light calcium carbonate scaling.

POTABLE WATER TREATMENTS

ERFOS-3PWT

A fresh water system additive which protects the system against corrosion, scab, sludge in the form of precipitate and foaming in hot and cold water (fresh water) systems. Because of its content when it reacts with hardness leaks, it forms compounds which do not have tendency to stick surfaces. It protects the system against corrosion by forming a film layer on the surfaces of the system lines. Thanks to its content it provides hygienic protection and prevents microorganism contamination.

CHLORINATING TABLET

A disinfectant used for chlorination of drinking water systems.

CHLOR POWDER

A disinfectant used for chlorination of drinking water systems.

BILGE WATER SYSTEMS

ER-FLOC BW

A powerful liquid treatment used for separating oil residues from bilge water.

EVAPORATOR SYSTEMS

EVAPORATOR TREATMENT

It is an additive which prevents the formation of the scab, scale, sludge in high and low-pressure fresh water producing systems. The product is also effective in removing the scab which was formed before the usage of Evaporator Treatment.

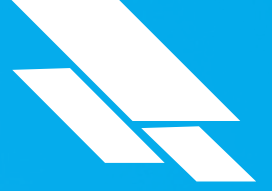


PRODUCT APPLICATION & DOSAGE TABLE

| APPLICATION | PRODUCT | DOSAGE |
|--|----------------------|--|
| BOILER WATER SYSTEMS | | |
| Commissioning cleaning for boiler and cooling water system | ERCLEAN-WT | 5,0 -10,0 % |
| Multifunctional boiler water treatment | EK-5 | Initial dosage: 300 mL/ ton of boiler water, Maintenance: 100 mL / ton of feed water |
| Boiler water treatment | EK-1 | First dosage for EK-1 is 250 g/1 ton water. The following dosages will be calibrated to 30-100 grams / ton(water). |
| Oxygen scavenger | EC-2DH | Initial dosage: 200 mL/ ton of boiler water, Maintenance: 50-75 mL / ton of feed water |
| Condensate control | EC-2 | The first dosage for EC-2 is 250 g/ton water. Afterwards, whenever you feed boiler with water dosage 50-100 grams/ton. |
| Alkali water- based additive | ERAY | 10 ppm of ERAY gives 5 ppm phenol alkalinity (p. Alkalinity) to the water. |
| Boiler coagulant | BOILER COAGULANT | Initial dosage: 20 mL/ ton of boiler water |
| Hardness control | ERFOS- 3 | Initial dosage is 200 ml per ton of water. For continuous dosage 40 to 100 ml per ton will be enough. |
| COOLING WATER SYSTEMS | | |
| Commissioning cleaning for cooling water system | ERCLEAN-WT | 5,0 -10,0 % |
| Nitrite-based corrosion inhibitor | ES-3D | Initial dosage: 8 L/ ton of cooling water, Maintenance: 5 L / ton of feed water |
| Organic-based corrosion inhibitor | ERTREAT COOLANT ALL | Initial dosage: 8 L/ ton of cooling water, Maintenance: 5 L / ton of feed water |
| Antifreeze | ANTIFREEZE | 20 -40 % as per protection to be provided |
| SEAWATER SYSTEMS | | |
| Anti- foulant/ microorganism control | ERBIOCIDE- SW | 1,0-1,5 kg to 100 tons |
| REVERSE OSMOSIS TREATMENTS | | |
| RO alkaline cleaner | ERBRANE- BC | 20% |
| RO acidic cleaner | ERBRANE- ACF | 25% |
| RO water treatment/ scale control | ERBRANE | 2-10 ppm |
| EVAPORATOR SYSTEMS | | |
| Evaporator water treatment | EVAPORATOR TREATMENT | 100 g per ton of water |
| BILGE WATER SYSTEMS | | |
| Bilge water treatment | ER- FLOC BW | 100-500 ppm |

PRODUCT APPLICATION & DOSAGE TABLE

| APPLICATION | PRODUCT | DOSAGE |
|---|----------------------------|--|
| POTABLE WATER SYSTEMS | | |
| Potable water treatment | ERFOS-3 PWT | 10 g/ 1 ton water |
| Potable water treatment/ Chlorine | SODIUM HYPOCHLORITE | 2-3 ppm |
| Potable water Treatment/ Chlorine | CALCIUM HYPOCHLORITE | 0.4-0.6 ppm |
| Chlorinating tablet | CHLORINATING TABLET (20 g) | 1 tablet/ 30 tons of water |
| BALLAST WATER SYSTEMS | | |
| Mud and silt removing | MUD& SILT REMOVER | 25-50 L / 1000 L of water |
| Ballast tank corrosion inhibitor | ERCOAT- BALLAST | 100 mL / 1000 L of water |
| SEWAGE SYSTEMS | | |
| Toilet descaler for removal of urine scale in restrooms/bathrooms etc. | ERBIO- TDS | 5,0 % solution to be applied |
| Toilet, sink and shower cleaner with biological active liquid formulation | ERBIO- BTC | 2,0- 3,0 % |
| Sewage waste treatment in concentrated biologically active powder | ERBIO- BC 850 POWDER | Initial Dosage: 50 g/m ³ , Maintenance 10 g/m ³ per week |
| Drain and pipe cleaning | ERBIO- DPC | 10,0 % solution to be applied |



TEST KITS

BOILER WATER TEST SET

COOLING WATER TEST SET

PHOSPHATE TEST KIT

ALKALINITY TEST KIT

CHLORIDE TEST KIT

NITRITE TEST KIT

HARDNESS TEST KIT

pH PAPER

CHLORINE TEST KIT

SULFITE TEST KIT

TOTAL IRON TEST KIT

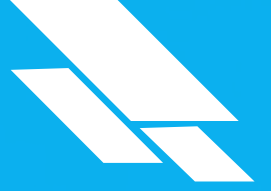
HYDRAZINE TEST KIT

WATER IN OIL TEST KIT

POTABLE WATER TEST KIT

DRINKING WATER TEST KIT

DEHA TEST KIT



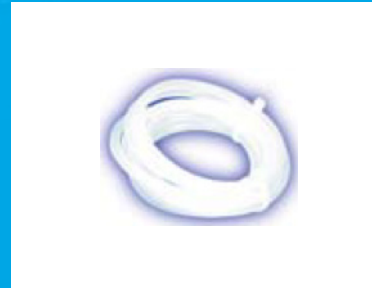
DOSING EQUIPEMENTS

Dosing pump and Dosing Set



PUMP- TECHNICAL FEATURES

| | |
|-----------------------|-----------------|
| MAX PRESSURE | : 15 BAR |
| MAX FLOW RATE | : 1,00 L/H |
| MAX FREQUENCY | : 120 IMP/MIN |
| ML/PULSE | : 0,14 |
| MAX SUCTION HIGH | : 1,5 MTR |
| STANDART POWER SUPPLY | :230 V-50/60 HZ |





Natural life is a chemical product

We hope to share our experience of over 40 years with you.

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