

# we care for clean ships clean seas environment Marine Products and Services Program

- Marine chemicals for Treatment & cleaning.
- Dosing systems for chemicals (Manual and Automatic).
- Equipment and cleaners for Tanks & Cargo holds.
- Oil spill dispersants and OSD Kits.
- Test Kits for Potable Water & Sewage.
- Electronic water & sewage Test EC-Prime lab photometer.
- Chemical cleaning (Boilers, Air coolers, Heater).
- Fuel and lube oil Test Kits.

- Wall wash test Kits.
- Reverse Osmosis sewage systems & treatment.
- Gases, welding & cutting equipments.
- Electrodes & consumables.
- Refrigerants.
- Span gases & Gas detectors.
- Pickling and passivation.
- World wide network.













#### **Fuel Oil Treatment**

EC - FOT Studge dispersant / FOT Reduce stratification / sludge.

EC - FOT Catalyst Combustion catalyst reduces carbon deposits.

EC - Vanasolvent
 EC - FOT Lubricity
 Prevents post-combustion corrosion from sulphur & vanadium.
 Lubricity improver for gas oil, diesel oil and middle distillates.

#### **Fire Side Treatment**

EC-Soot Sticks, Soot Remover
 Removes carbon deposits.

EC-Economizer Treatment Liquid to prevent soot deposits in exhaust gas boilers at low temperature.

#### **Gas Side Treatment**

EC-Asteriods
For dry cleaning of turbo blowers.

**EC-Gas side cleaner** Fast deposit remover from exhaust gas system.

## **Biological Treatment**

EC-Bacteria Control
 EC-Dipslides
 Prevents biological attack in fuel oil and cooling water systems.
 Bacteria testing.

## Tank and Cargo Hold Cleaners / Oil & Grease Removers / Oil spill Dispersants

EC - Ecodis Oil spill dispersant Type I for deck cleaning.

**EC - Ecoclean** Envirocleaner - degreaser.

◆ EC - Coldwash HD Solvent based general purpose degreaser for bilge, tanks, parts.

EC - Seaclean Tanks cleaner, bilges, double bottoms cleaner.

EC - Clean Break
 Quick separating degreaser for bilges used with Oil / water separator.

EC - Alkaclean HD / PC Cleaner Heavy duty alkaline tank and Hold cleaner for fish / vegetable oils, pet coke and coal removal.

EC - Alkaclean Safety

Naturals Alkaline tank and Hold cleaner for fish / vegetable oils removal by injections and

calculating methods, based on Potassium.

♦ EC - Marisol Light alkaline detergent.

EC - Uniclean HCF Eco (WaterBased) Hydrocarbon free tank cleaner.

EC - Genepol Neutral WB general purpose cleaner.

♦ EC - Uniclean Neutral Neutral Hydro Carbon Free tank cleaner for removal of fish / vegetable oils out of zinc silicate

coated tanks.

EC - Bufferclean 5.5 Removes lead from zinc silicate coated tanks. pH buffered at 5, 5 EC-Bleach Substitute.

EC - Uniclean Tank Separating Heavy duty quick separating tank cleaner.

EC - Uniclean Eco Heavy duty industrial cleaner produced from natural raw materials.

EC - Edible Oil Cleaner Cleaning agent to remove fats, proteins and oils.

EC - Acrylate Cleaner Chemically neutralizes acrylate esters.
EC - Degreaser Eco Odourless non-emulsifying degreaser.

EC - WB Alkaline Foam
Cleaning agent to remove fats, proteins and oils.
EC - Uniclean Latex Cleaner
Highly concentrated product for the removal of latex.

EC - Resin Remover Heavy duty cleaner for the removal of resins like MDI - TDI.

EC - Uniclean Steam Cleaner Alkaline cleaner for the removal of atmospheric deposits, oils and grease by means

of steam cleaners.

◆ EC - EC Phos Cold phosphating agent that converts rust into iron phosphates, which prevents new rust.

◆ EC - General Purpose HD Heavy duty WB Degreaser to remove atmospheric contamination, mineral oils and greases.

#### **Ballast Tank Water Treatment And Corrosion Inhibitors**

• EC -Mud And Silt Dispersant

Dispersant for removal of mud & silt from (ballast) tanks and pipelines.





### **Special Cleaners**

Excellent tank cleaner for Coal Tar, crude benzene & bitumen.

EC - Ultrasonic Cleaner For engine parts in ultrasonic cleaning baths.

EC - Ultrasonic Equipment Ultrasonic technology.

#### **Electro Cleaners**

EC - Electro Clean Fast
 EC - Electro Clean Slow
 Fast drying electro cleaner. Non-flammable.
 Slow drying electro cleaner for immersion baths.

EC - Uniclean Electro Non conductive electro cleaner. Chlorine free, no smell.

#### **Carbon Solvents**

EC - Carbon Remover
 HD Immersion baths cleaner for heavy deposits - Non Cresol.

EC - Air Cooler Cleaner HD For manual and in service cleaning.

EC - Filter Clean Heavy duty cleaner for fuel and lubricating oil filters.

## **Acid Cleaners**

EC - Descaling Liquid Low foaming heavy duty water scale remover.

EC - Safe Descaler Safe water scale remover powder.

**EC - Rust Remover** Removes rust on paintwork.

EC - Cement Remover Cement cleaner.

EC - OWS Cleaner Acidic cleaner for stainless steel oil / water separator discs.

**EC - Uriclean Concentrate**To remove uric acid deposits.

## **Coatings - Rust Protection**

**EC - Rust Converter** Organic rust converter as pre-coating on rusted steel.

EC - Tank Coating HV & SV Lanolin based soft ballast tank coating.

EC - Steam Pipe Coating Steam pipe anticorrosive coating (Soft & Hard).

EC Coat Barrier For use before loading cement, pet coke, coal, iron and bauxite.

# Also Available: Special Hard Coatings For Ballast / Void Spaces / Other Applications

#### **Boiler Water Treatment**

EC - Hydrazide

EC - Boiler Coagulant

EC - Scale Sequestrant

EC - BWT One Shot One shot boiler and feedwater treatment.

EC - Hardness Control Adjusts hardness and phosphate.

EC - Alkalinity Control Adjusts alkalinity.

EC - Condensate Control Adjusts pH on condensate, corrosion inhibitor.

Decreases oxygen on HP & LP boiler - replace Hydrazine.

Eliminates light oil contamination, sludge conditioner.

Clean boiler & cooling systems Under way.

## **Organic combined Boiler Water Treatment**

• EC - OBWT 3 Alkalinity, scale control and sludge conditioner.

◆ EC - OBWT 4 Oxygen scavenger, corrosion and condensate pH controller.

#### **Evaporator Treatment**

• EC - Liquivap Antiscale, antifoam for evaporator.





## **Diesel Engine Cooling Water Treatment**

EC - CWT - NCLT
Closed circuit scale and corrosion inhibitor. Nitrite based.

EC - Color cooling
 EC - NCLT AL
 Anticorrosion nitrites base with color indicating.
 Anticorrosion for all metals including aluminum.

**EC - CWT NN**Non Nitrite based CWT product.

#### **Seawater Antifoulant**

EC - Ecosperse
 Antifoulant, anticorrosion sea water system - Environment friendly.

► EC - Biosperse Heavy duty Antifoulant.

#### **Potable Water Treatment**

Potable Water Treatment
 Prevents corrosion and Red water in potable systems.

#### **Cruise Industry Products**

## Maintenance, Water Treatment, Swimming Pool, Jacuzzi, Sewage Tanks, Potable Water Disinfecting

• EC - Chlorine Tablets Swimming pool, jacuzzi, sewage tanks.

◆ EC - Unichlor 12 Liquid chlorine.

## Reverse Osmosis systems & treatment - Alkaline and Acid - Neutral Products

• Filters Membranes for RO Units.

#### **Dosing system for Cruise sewage systems**

• Sewage systems & treatment IMO approved.

## **Stainless Steel Products (Exclusive Avesta Distributor)**

• Pickling Liquid Pickling liquid for austenitic stainless steel.

Pickling Paste Translucent pickling paste for stainless steel.

Passivating Liquid Passivating liquid for stainless steel.

Pickling Spray For Austenitic Stainless Steel in gel spray form.

Ferroxyl Test Set Whether or not to pickle: the ferroxyl test set reveals embedded iron particles on stainless steel.

Oxilyser 3<sup>®</sup> For passivity testing.

#### **Special Products**

Hand Cleaner A strong handcleaning gel.

Penetrust Penetrating oil, to free rusted components.

Gasoline FinderDetects oil level in storage tanks.Water Finder SpecialDetects water level in storage tanks.Aerosol ProductsElectrospray, Multi Degreaser Spray etc.EC - Air FreshEliminates all unpleasant odors in tanks.EC - Paint Remover HDPaste-like caustic Paint Remover.

EC - ETG 102 Anti-corrosive "tropical" wire grease.

#### **EC - ECO** a new range of powerful cleaning products, based on acid replacement technology.

The products are 100% biodegradable and environmentally safe. Contrary to what you may expect of water based products is that effectiveness is strong and same as conventional phosphoric and hydrochloric acid based cleaners, but without the hazards of these traditional products. Applying this new technology makes it possible to combine acid, solvent and caustic based properties and transform these into one harmless concept such as the EC ECO Combi. Traditional chemistry would not allow an acid and a caustic based product to work together. With this new technology Eflochem enables you to work safely and efficiently, without affecting the environment and your safety.





**Eco Acid** Acid-free, non-caustic, non regulated line cleaner and descaler.

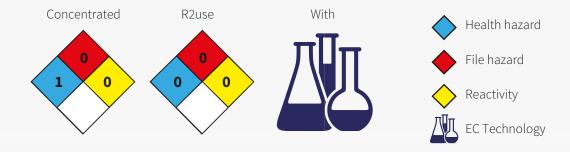
EC - Eco RustNon-regulated, synthetic low pH cleaner.EC - Eco CementSafe, Non- Corrosive, 100% Biodegradable.EC - Eco TeakSafe, Non- Corrosive, 100% Biodegradable.EC - Eco SewageSafe, Non- Corrosive, 100% Biodegradable.

**EC - Eco Alkaline**High detergency high foaming industrial cleaner and degreaser. **EC - Eco Combi**A multipurpose cleaning agent which combines acid & alkaline.

**EC - Eco Metal Brighter** Safe, Non- Corrosive, 100% Biodegradable.

**EC - Eco Enzyme Tabs** Sanitabs Enzyme.

**EC - Envoclean 1** Removes hardness scale and rust with EC-Non acid technology.



## Other Biological & Environmental Products 100% Biodegradable - oil spill Dispersants

**EC - Microzyme Sewage**Biological sanitation system treatment and cleaner.

**EC - Uniclean GP** A water based concentrated general purpose degreaser.

EC - Uniclean HD Deodorizer liquid for inert gas residues.

EC - EC OSD Eco R2Use Approved oil spill dispersant Type 2.

EC - OSD Eco HD Highly concentrated, approved oil spill dispersant Type 2 & 3.

Aquaquick 2000 SP R2Use 100% biodegradable multifunctional degreaser.

Aquaquick 2000 SP Conc. Highly concentrated, 100% biodegradable degreaser.

## **Dosing Systems**

- Boiler Water Treatment
- Diesel Engine cooling Treatment
- Evaporator Treatment (Manual and Automatic)
- Dosing System (Sea Chest protection for marine growth and corrosion)
- Fuel oil treatment
- DI water system & Systems Resigns replacements
- Sewage systems (vacuum and traditional)
- Reverse Osmosis System

# Welding - Cutting - Refrigeration - Gases - Equipment - Consumables

- Oxygen / Acetylene
- Nitrogen / Argon
- Refrigerants R22 / R-407C / R417A / R404A and others
- Welding and cutting equipment
- Electrodes and related items
- Span gases and regulators





## Fire fighting products & safety services, world wide services

- Emergency Escape Breathing apparatus EEBD service and sales.
- Gas detectors

#### **Test Kits**

- EC Prime lab Photometer: The new technology of testing and reporting.
- Complete all in One kit and / or only PWT and Sewage test Fully Automatic
- P & M Alkalinity
- Chloride
- Nitride
- Ph
- Phosphate
- Hardness

# Fuel oil and lube oil test kits

- Water in oil
- **†** TBN
- Salt
- Lube oil Spot
- Viscosity
- Density
- Compatibility
- Twin check
- Flash point check

# Other test kits and apparatus are also available on request. Automatic and Manual

- Potable water test kit (manual)
- Sewage test kit (manual)







