

**Discover**  
**eurochem**  
INTERNATIONAL'S  
**Marine Division**







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# Our History

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Eurochem International's corporate vision – shows how clearly the business understands 21st century consumers and their lives. But the spirit of this mission forms a thread that runs throughout our history.

In the early 80's, Eurochem International's founders developed their innovative and revolutionary chemical production process, the implementation of which led to the wide range of unbeatable chemicals filling our catalogues, which expand and keep up to date with all latest inventions.

To make life more enjoyable and rewarding for the people using our products. This was long before the phrase 'Corporate Mission' was invented, but these ideas remained in the heart of our business.



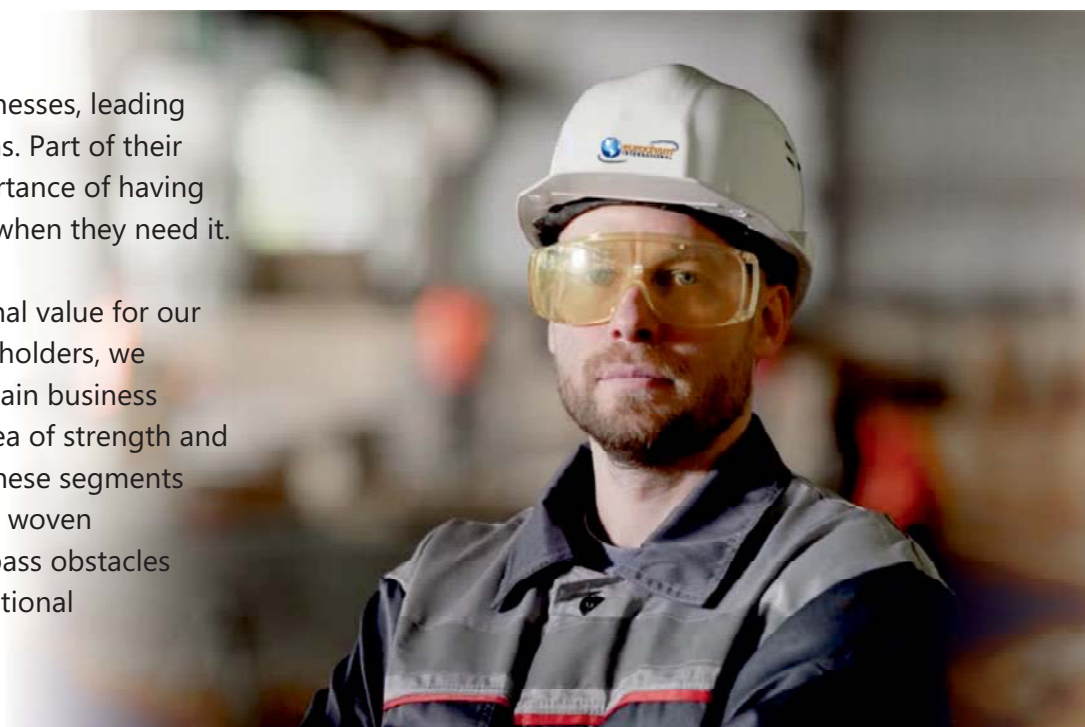
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## Our capabilities

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Our clients are building businesses, leading companies, pursuing passions. Part of their success is knowing the importance of having the right specialists in place when they need it.

In order to provide exceptional value for our clients, employees and shareholders, we organize our services into main business sectors, each with its own area of strength and strategy. At the same time, these segments are naturally and inextricably woven together, inspiring us to surpass obstacles and location to deliver exceptional solutions to complex issues.





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# Water treatment

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Eurochem International offers an extensive range of advanced scientifically formulated water treatment products, specialty chemicals and water additives manufactured to the highest international quality and environmental standards for guaranteed performance.

Eurochem International's full range of scientifically formulated water additives and chemical treatment products include high performance water treatment chemicals for:

- steam boilers
- cooling water systems
- seawater systems
- cooling towers
- closed circuits
- reverse osmosis
- evaporators
- fresh water treatment
- wastewater

as well as effluent treatment chemicals, high performance marine chemicals, eco-friendly biological formulations, advanced polymers and much more. A full range of test kits is available for the above chemicals.

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# Cleaning & Maintenance chemicals

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We are one of the prominent Organizations in the field of industrial chemistry.

We have been studying, developing, manufacturing and supplying specific chemical products which insure the quickness and efficiency of all specific chemical cleaning procedures, carried out in different fields.

# Fuel Management

For over 20 years fuels have been treated for various performance enhancing purposes across Western Europe and North America, and spread throughout the rest of the world. Modern engines (from 2000 onwards) have now been designed to have optimum efficiency using fuels with performance additives, while the latest engine technology requires highly specialized low sulphur fuels. Engine manufacturers have expressed concern of the performance of their new engines using poor quality and untreated fuels.

Eurochem International now has a full range of fuel additives available in our warehouses allowing the vessels, to launch their own high performance fuels or blend after market fuel treatment products.

## Our products offer three definitive benefits:

### Fuel economy

Highly specialized friction modifiers in the fuel additives help reduce friction in the engine, thus improving overall fuel consumption.

### Avoid power loss over time.

- Avoids fuel consumption increase over time (due to less efficient combustion).
- Savings on injector replacements.
- Improved emissions profile.

### Deposit cleanliness

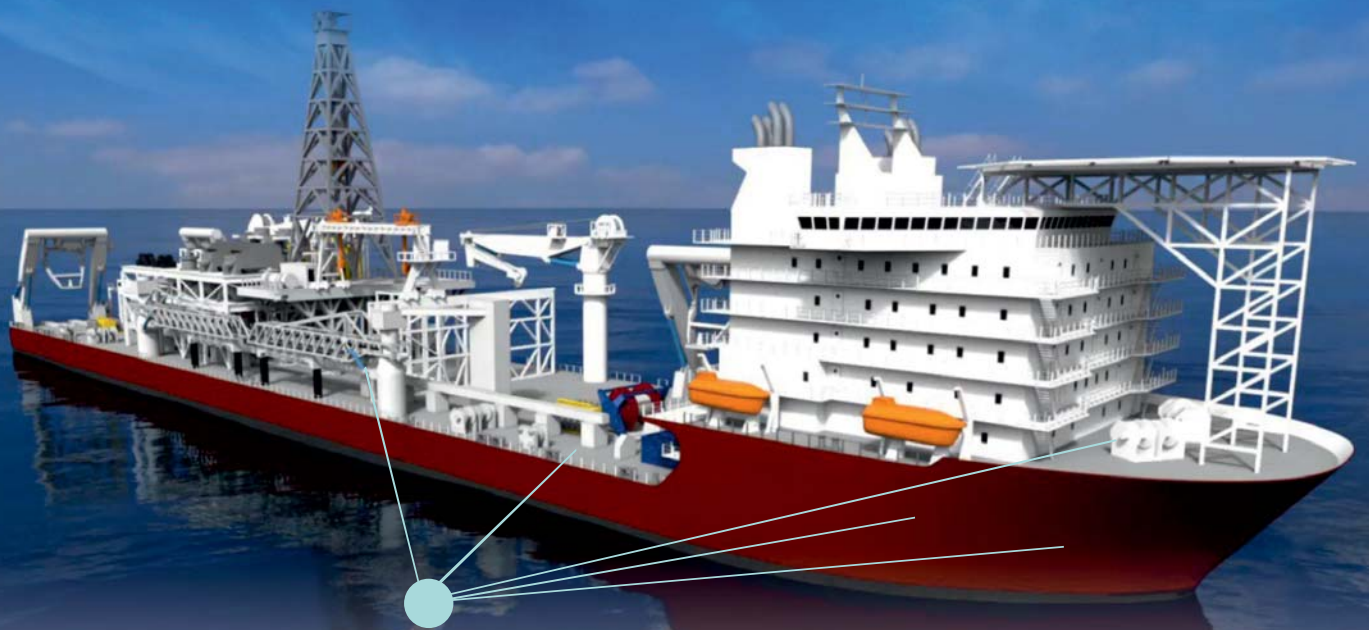
Cleaning up and preventing carbon deposits from forming on inlet valves, exhaust valves and injectors. Maintaining injector performance in excellent condition. Promote smoother and more efficient combustion.

#### Secondary benefits

- Corrosion protection of fuel system.
- Elimination of foaming.
- Dissolves all existing sludge.

**Eurochem International also has a full range of biocides for diesel fuels.**





## MARINE TECHNICAL SOLUTIONS

Accommodations	Fuel Analysis
Ballast Water Treatment	Maintenance Chemicals
Boiler Water Treatment	Refrigeration Products
Chemical Feed Equipment	Sanitation System Cleaners
Cooling Water Treatment	Tank Cleaners
Corrosion Inhibitors	Technical Field Services
Deck Cleaning	Ultrasonic Cleaning
Engineered products	Waste Water Treatment
Exhaust Gas Treatment	Water Treatment / Testing / Automation
Fuel Additives	Welding Equipment & Consumables



# Welding

Eurochem International is one of the leading suppliers worldwide in providing vessels with the most advanced and innovative technology.

Eurochem International is a reliable supplier of gases, offering the highest level of performance for our customers to increase productivity, improve the working environment, reduce possible rejects and achieve the maximum efficiency and effectiveness.



# Refrigeration

Eurochem International is one of the leading providers of refrigerants for vessels and offshore assets.

Technical and advisory support is offered in order to ensure that our customers meet the environmental, operational and legal requirements.



## CHEMICAL SELECTION GUIDE

	APPLICATION	PRODUCT / PROGRAM
<b>EVAPORATOR &amp; RO – TREATMENT</b>		
Evaporators and multi-flash evaporators	Scale, foaming and carryover	KEM ET
Large production and high temperature evaporators	Scale, foaming and carryover	KEM-ET HD
Reverse Osmosis	Online antiscalant and dispersant	DISPERSOL – 3054
<b>BOILER WATER TREATMENT</b>		
Low pressure boilers up to 32 bar	Scale, corrosion and deposit control	KEM FOS-L
Low-, medium-, and high-pressure boilers	Alkalinity control	ALKALINITY CONTROL
	Scale and hardness control	KEM HARD
	Condensate corrosion inhibitor	CONDENSAMINE
	Sludge and oil contamination	LIQUID COAGULANT
	Oxygen corrosion	OXYAMINE
High pressure (60-84 bar or 850-1200 psig) boilers	Corrosion, scale, deposit formation and carryover	HP CHEMICAL PROGRAM
<b>COOLING WATER TREATMENT</b>		
Closed circuit cooling or heating systems – e.g. diesel engines	Corrosion and scale	ADICO-NC-L
Seawater cooling systems	Biological fouling	EUROSPERSE PLUS
<b>POTABLE WATER TREATMENT</b>		
Potable water tanks/distribution piping	Drinking water monitoring	POTABLE WATER TEST KIT
Potable water treatment	Corrosion prevention	P.W.T
<b>FUEL TREATMENT</b>		
Fuel storage tanks	Sludge buildup Biological fouling	KEM-FOT BIO-FUEL 4
Low sulfur fuels	Poor lubricity; extended storage stability; switching between LSFO and HFO	KEM-FOT-LI
Combustion spaces (Diesel / steam)	Incomplete combustion	KEM DP FOT
	High temperature deposits and incomplete combustion	KEM DP FOT-PLUS
Exhaust system-economizers	Soot buildup	KEM SOOT / KEM SOOT-L
Combustion spaces-boilers	Soot buildup	KEM-SOOT / KEM SOOT-L
<b>SEWAGE &amp; WASTE TREATMENT</b>		
Sewage treatment	Bioactivity	BIOTREAT-P
Vacuum collection system	Cleaning & pipe fouling	BIOTREAT-L



	APPLICATION	PRODUCT / PROGRAM
<b>DECK APPLICATIONS</b>		
Oil spills (on deck and at sea)	Oil/petroleum organics	<b>OIL DISPERSER</b>
Heavy-duty cleaning	Water based heavy-duty	<b>PRE-WASH</b>
General purpose cleaning	Water based cleaning	<b>ECOCLEAN EUROCLEAN</b>
Rust cleaning	Rust stains	<b>RUST REMOVER</b>
Rust converter	Surface rust	<b>RUST CONVERTER</b>
<b>MAINTENANCE CHEMICALS</b>		
Heat exchangers – evaporators, boilers, heaters, coolers, diesel engines	Scale removal	<b>SCALE OFF S</b>
	Scale and corrosion	<b>DESCALER</b>
	Oil (organic) deposits	<b>OIL GREASE REMOVER PRE-WASH</b>
Diesel engine air coolers, intercoolers, filters, etc.	Oil/organic deposits	<b>A.C.C. (AIR COOLER CLEANER) A.C.C. ECO</b>
Engine cooling systems	Oil/organic deposits Scale and rust	<b>OIL GREASE REMOVER SCALE OFF S</b>
Filters	Filter cleaning	<b>FILTER CLEANER</b>
Purifier/separator discs	Petroleum sludge deposits	<b>SEPARATOR CLEANER</b>
Fuel heaters	Oil/organic deposits	<b>CARBON REMOVER</b>
Electrical equipment and parts	Oily deposits	<b>LECTROKLEEN-ODORLESS</b>
	Oily deposits (fast dry)	<b>LECTROKLEEN-D4-FAST</b>
Bulkheads, decks, railings and other structural surfaces	Rust and corrosion	<b>RUST REMOVER</b>
	Oil/organic deposits (heavy-duty)	<b>OIL REMOVER-S</b>
	Water-based	<b>ECOCLEAN</b>
Bilges, engine rooms, decks and bulkheads	Oil/organic contamination	<b>OIL REMOVER S TANK WASH-S</b>
<b>TANK TREATMENT &amp; CLEANING</b>		
Potable water tanks	Cleaning	<b>ARR LIQUID</b>
Potable watertanks/piping	Corrosion inhibitor in tanks and piping/red water	<b>P.W.T</b>
Permanent fresh water ballast tank	Corrosion inhibitor	<b>P.W.T</b>
Ballast tanks	Oil and organic cleaning	<b>PRE-WASH TANK WASH-S</b>
Tanks	Vegetable and animal oils	<b>ARR SAFETY LIQUID ARR LIQUID</b>
	Fuel oils, heavy crude oils, soot, asphalt	<b>TANK WASH-S</b>
	Protective hold barrier	<b>P.L.H.B. (PRE LOAD HOLD BARRIER)</b>
<b>ACCOMODATIONS</b>		
General cleaning / Disinfecting / Sanitizing	Accommodation / Galley / Laundry	<b>HORECA PROGRAM</b>

# Ports of delivery

NORTH AMERICA			EMEA		
COUNTRY	PORT	ZONES	COUNTRY	PORT	ZONES
Bahamas	Freeport	4	Belgium	Antwerp	1
Canada	Halifax	4	Bulgaria	Varna	3
	Montreal	4	Denmark	Coopenhagen	3
	Port Colborne	4	Egypt	Port Said, Alexandria, Suez	3
	St. John's	4	Finland	Helsinki	4
	Vancouver	3	France	Dunkirk	3
Netherlands				Le Havre	2
Antilles	Curacao	4		Marseille	2
				Nantes	3
Panama	Colon	3	Germany	Bremes	1
Ecuador		4		Hamburg	1
Jamaica		4	Gibraltar	Gibraltar	2
Colombia		4	Greece	All Ports	1
USA	Baltimore	2	Italy	Augusta	3
	Beaumont	3		Genoa	2
	Boston	4		Livorno	3
	Charlestone	3		Naples	3
	Corpus Christi	4		Palermo	4
	Honolulu	3		Ravenna	3
	Houston	1		Taranto	4
	Jacksonville	3		Trieste	3
	Long Beach/San Pedro , CA	2		Venice	4
	Miami	3	Malta	Valleta	3
	Mobile	3	Netherlands	Vlissingen	1
	New Orleans	1		Rotterdam	1
	New York	1		Terneuzen	1
	Norfolk	3	Norway	Bergen	3
	Philadelphia	3		Oslo	3
	Piti, Guam	3	Poland	Gdansk	3
	Port Canaveral	4	Portugal	Lisbon	2
	Portland	3	Romania	Constanta	3
	San Francisco/Oakland	3	Russia	St. Petersburg	4
	San Juan, Puerto Rico	3		Vladivostock	4
	Savannah	4	South Africa	Cape Town	2
	St. Croix, Virgin Island	4		Durban	2
	Tacoma	3		Richard's Bay	2
	Seattle	3	Spain	Algeciras	2
				Barcelona	2
				Bilbao	3
				Las Palmas	3
				Valencia	3
				Gothenbourg	4
			Sweden	Istanbul	2
			Turkey	Shajah	1
			U.A.E	Fujairah	1
				Dubai	1
				Jebel Ali	1
			Uk	Aberdeen	3
				Cardiff	4
				Liverpool	4
				London	2
				Newcastle	4
				Southampton	3
SOUTH AMERICA			JAPAN		
COUNTRY	PORT	ZONES	COUNTRY	PORT	ZONES
Argentina	Buenos Aires	4	Japan	Kobe	3
Brazil	Rio De Janeiro	4		Moji/Kokura	3
	Santos	4		Nagoya	3
Chile	Valparaiso	4		Tomakomai	3
Mexico		4		Yokohama	3
Peru		4			
ASIA-PACIFIC					
COUNTRY	PORT	ZONES			
Australia	Adelaide	4			
	Brisbane	4			
	Fremantle	4			
	Melbourne	4			
	Newcastle	4			
	Sydney	3			
China	Dalian	3			
	Jiangyin	3			
	Qingdao	3			
	Qinghungdao	3			
	Tianjin	3			
	Shanghai	2			
	West Guangzhou	3			
Hong Kong	Zhousan	3			
	Hong Kong	2			
	Calcutta	4			
	Chennai	4			
	Mumbai	4			
India	Visakhapatnam	4			
	Jakarta	4			
Indonesia		4			
Korea	Busan	3			
Malaysia	Port Kiang	3			
	Tanjong Pelepas	3			
Pakistan	Karachi	4			
Singapore	Singapore	1			
Sri Lanka	Colombo	4			
Taiwan	Kaohsiung	3			
Thailland	Bangkok	3			
Philippines		4			





As a leading Marine Chemical supplier, specialty chemicals for water treatment, fuel management maintenance and various other applications are readily available for shipment from our worldwide warehouses.

Our duty is to bring the benefits of globalization to our customers regardless of their location, this demands a global reach in supply, yet a local perspective in customer service. With expertise in both sourcing and logistics management, our team strives to solve problems before they reach our customers and to strengthen and streamline their supply chains in the process.

Our mission is to fulfill customers' needs for high quality products with efficiency, effectiveness and reliability.







**eurochem<sup>®</sup>**  
**INTERNATIONAL**

**EUROCHEM INTERNATIONAL**  
**4 RAFAILIDOU Str. 177 78 TAVROS, ATHENS, GREECE**  
**TEL.: +30 210 48 36 321-6, FAX: +30 210 48 36 331-2**  
**[www.eurochemint.com](http://www.eurochemint.com) – e-mail: [sales@eurochemint.com](mailto:sales@eurochemint.com)**